

19990204.qrp v01_n357.qrl.990204

Date: Thu, 4 Feb 1999 19:03:27 EST

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1357

QRP-L Digest 1357

Topics covered in this issue include:

- 1) [31966] NorCal Posts
by Jeff Johns <jeffj@scott.net>
- 2) [31967] How many Argonaut II's
by James Skalski <jskalski@buffnet.net>
- 3) [31968] Qrp-Satellite
by "Barnaby J.O'Leary" <barnaby@ap.net>
- 4) [31969] QQuarterly
by David Heintzleman <bchurch@megavision.com>
- 5) [31970] Thanks to all!
by Jeff Johns <jeffj@scott.net>
- 6) [31971] Isotron Bilal Antennas
by Jeff Johns <jeffj@scott.net>
- 7) [31972] What's going on
by Brad Mugleston <bmug@gwl.com>
- 8) [31973] Re: Ferrite Question
by Chris Trask <ctrask@primenet.com>
- 9) [31974] Re: Lemon power
by Donald E Sanders <w4bws@juno.com>
- 10) [31975] Re: Another lunchtime QRPP QSO (2mW's)
by olyellr@iglou.com
- 11) [31976] Re: COAXIAL DC CONNECTORS
by Donald E Sanders <w4bws@juno.com>
- 12) [31977] Re: Qrp-Satellite
by Theodore Wong <wong_th@eng.printronix.com>
- 13) [31978] Re: Qrp-Satellite
by Jeff Johns <jeffj@scott.net>
- 14) [31979] Possible group buy: Variable caps
by wb2vuo@juno.com
- 15) [31980] Fw:
by Fred J Kalt <w2xn@juno.com>
- 16) [31981] Fw: Hamstick ground planes
by Fred J Kalt <w2xn@juno.com>
- 17) [31982] Re: Qrp-Satellite
by Jeff Johns <jeffj@scott.net>
- 18) [31983] Anyone with 14.060 MHz crystals?
by "Rob Dey" <rdey@myhost.com>
- 19) [31984] wb2vuo@juno.com: Possible group buy: Variable caps

- by wb2vuo@juno.com
- 20) [31985] Re: What's going on
by Roger Hightower <n7kt@earthlink.net>
 - 21) [31986] Re: Lemon-powered K2 ?!!
by "Rud Merriam" <rmerriam@usa.net>
 - 22) [31987] schematic help
by Paul Erickson <paule@sfu.ca>
 - 23) [31988] K2 DX Alert
by Jeff Grudin <grudin@pacific.vdbs.com>
 - 24) [31989] .xls viewer for NC20 parts list
by dave_epps@juno.com
 - 25) [31990] Everyone Agrees
by Jeff Johns <jeffj@scott.net>
 - 26) [31991] Re: Isotron Bilal Antennas
by W7LS <w7ls@blarg.net>
 - 27) [31992] Sick SST. I'm about to go crazy...
by "Nathan Odle" <nodle01@mail.coin.missouri.edu>
 - 28) [31993] Re: Sick SST. I'm about to go crazy...
by "David Hurley, n2zhy" <n2zhy@amsat.org>
 - 29) [31994] Re: New Callsign...
by Tom Palmer <n1tp@worldnet.att.net>
 - 30) [31995] Re: Sick SST. I'm about to go crazy...
by "Steven Weber" <kd1jv@moose.ncia.net>
 - 31) [31996] Emtech information
by wa8jpr@juno.com
 - 32) [31997] Re: Qrp-Satellite
by mwattcpa@earthlink.net (Marty Watt)
 - 33) [31998] Satellite downlink freqs
by N7YA@aol.com
 - 34) [31999] NC20 2-way
by Gary L Surrency <gsurrency@juno.com>
 - 35) [32000] RE: 160m Contest and Minimal Setup
by aweiss@usd.edu (Ade Weiss W0RSP)
 - 36) [32001] transverters
by KF4DTE@aol.com
 - 37) [32002] Re: NC20 spreadsheet -> ASCII
by David Fifield <fifield@pacbell.net>
 - 38) [32003] Help:Schurr Paddles
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
 - 39) [32004] Re: FYBO: Submitting Results (Summary Sheet Please!)
by David Fifield <fifield@pacbell.net>
 - 40) [32005] Re: Help:Schurr Paddles
by "Radman" <radman@best.com>
 - 41) [32006] Tons of bad noise on 7.040
by PUNISHER3@aol.com
 - 42) [32007] RE: NorCal 20 Posts
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
 - 43) [32008] Update to N7MFB's Web Site

by "Bill Todd" <bill@willapabay.org>
44) [32009] Elmer200: Quiz Answers
by Chuck Adams <adams@ticnet.com>
45) [32010] Re: NC20 2-way
by Chuck Adams <adams@ticnet.com>
46) [32011] Re: Satellite downlink freqs
by Chuck Carpenter <w5usj@unicomp.net>
47) [32012] Test Message
by Dan Dobson <ddobson@iei.net>
48) [32013] test
by Rod Cercone <rlc@fii.com>
49) [32014] ARLD005 New DXCC Entity Added (fwd)
by Bruce Ratray <ratray@gpfn.sk.ca>
50) [32015] Sick SST
by "Nathan Odle" <nodle01@mail.coin.missouri.edu>
51) [32016] FYBO
by Bruce Ratray <ratray@gpfn.sk.ca>
52) [32017] Re: Tons of bad noise on 7.040
by Dan Copeland <dcopeland@wwn.net>
53) [32018] List problem?
by "Nathan Odle" <nodle01@mail.coin.missouri.edu>
54) [32019] Re: Satellite downlink freqs
by Jeff Johns <jeffj@scott.net>
55) [32020] Re: List problem?
by Rod Cercone <rlc@fii.com>
56) [32021] Re: List problem?
by Jeff Johns <jeffj@scott.net>
57) [32022] RE: List problem?
by "Nathan Odle" <nodle01@mail.coin.missouri.edu>
58) [32023] RE: List problem?
by Bruce Ratray <ratray@gpfn.sk.ca>
59) [32024] QRP QUARTERLY.....WOW!
by Clifton W Sikes <ab5uacw@juno.com>
60) [32025] Re: Isotron Bilal Antennas
by kkanalz@optelinc.com
61) [32026] compact QRP rig for 15m?
by Dave Ek <ekdave@earthlink.net>
62) [32027] FYBO logging question
by Jeff <fantbb@yahoo.com>
63) [32028] Re: FOX - no show?
by Ed Loranger <we6w@juno.com>
64) [32029] FYBO logging question and the answer already?
by Jeff <fantbb@yahoo.com>
65) [32030] correction on posting of RS dx-390
by Scott Howell <showell@hq.nasa.gov>
66) [32031] ASCII version of NorCal 20 Parts list by Circuit Reference - LONG
by Dave Sjolín <sjolin@swbell.net>
67) [32032] re; Ham stick ground planes

by "Todd Carpenter" <carpentt@citrine.indstate.edu>
68) [32033] UXE to VX0
by "Joseph Street" <joseph.street@comdev.ca>
69) [32034] Re: Isotron Bilal Antennas
by "dor" <elbc@pivot.net>
70) [32035] Re: compact QRP rig for 15m?
by Ron Stark <ku7y@dri.edu>
71) [32036] Re: FYBO logging question
by Joe Gervais <vole@primenet.com>
72) [32037] TEST! Don't READ!
by "Dan Hanson KQ6YI" <kq6yi@hotmail.com>
73) [32038] Re: compact QRP rig for 15m?
by "James A. Carmody" <carmodyjim@earthlink.net>
74) [32039] Re: FYBO logging question
by Jeff <fantbb@yahoo.com>
75) [32040] Lemon-FYBO
by bcutter@teal.csn.net (Bob Cutter)
76) [32041] Re: compact QRP rig for 15m?
by "Bryan Turner" <turnerw@email.uah.edu>
77) [32042] Re: FYBO
by Bob Patten <n4bp@bc.seflin.org>
78) [32043] NW QRP Member Correction
by "Bill Todd" <bill@willapabay.org>
79) [32044] SWL...GM?
by tom whalen <wb5qyt@eFortress.com>
80) [32045] FYBO
by tom whalen <wb5qyt@eFortress.com>
81) [32046] Re: FYBO
by Michael Neverdosky <MichaelN@cycat.com>
82) [32047] FS: MFJ Loop Antenna
by Greg Weinfurtner <weinfurt@oak.cats.ohiou.edu>
83) [32048] NC20 notes, plus a short comparison review.
by Gary L Surrency <gsurrency@juno.com>
84) [32049] Re: compact QRP rig for 15m?
by "Kelly Ellison" <kelman@dialnet.net>
85) [32050] MFJ 15 meter Radio on Ebay
by Dave Sjolin <sjolin@swbell.net>
86) [32051] Re: Ferrite Question
by "Brad Hernlem" <alihernlem@hotmail.com>
87) [32052] SWL...GM series
by tom whalen <wb5qyt@eFortress.com>
88) [32053] Source for 2 Watt 15 Meter SSB/CW Rig??
by James P Rybak <jrybak@mesa7.mesa.colorado.edu>
89) [32054] K2 builders, let's hear from you!
by PDouglas12@aol.com
90) [32055] Config chk
by Rod Cercone <rlc@fiii.com>
91) [32056] K2 completed

by Roy <marion@montana.com>
92) [32057] AR-QRP 40m Net Results
by Robsparks@aol.com
93) [32058] VANITY (LITERAL!!) Request
by kreinbd@ccgate.dl.nec.com (David Kreinberg)
94) [32059] NC20 Frustration
by David J Adams <adamsclan@netgate.net>
95) [32060] K2 reports
by PDouglas12@aol.com
96) [32061] Field Testing the Parking Lot Portable Vertical (PLPV) under Wind
y Conditions
by Sam Billingsley <SBillingsley@usaninc.com>
97) [32062] It came (not the NorCal)
by Jeff Johns <jeffj@scott.net>
98) [32063] GOT MINE TODAY
by Marv Fagenson <k6hcj@juno.com>
99) [32064] FYB0: Final Transmission - AB7TT Clear
by Joe Gervais <vole@primenet.com>
100) [32065] [RE]Help: Schurr Paddles
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
101) [32066] rg8 coax need
by Scott Howell <whowell@hq.nasa.gov>
102) [32067] sick SST-30-M
by RangerSF5@aol.com
103) [32068] FYB0: AL7FS
by "Larsen, Jim" <JLarsen@alascom.att.com>
104) [32069] RE: rg8 coax need
by mike1@urbancom.net (Dinelli, Michael)
105) [32070] Re: K2 reports
by Conard Murray <ws4s@infoave.net>
106) [32071] Re: Source for 2 Watt 15 Meter SSB/CW Rig?? (long reply)
by "Caitlyn M. Martin" <cait.martin@ibm.net>
107) [32072] Fw: audio thump and 38 special
by "Michael A. Gipe" <mgipe@reliablemeters.com>
108) [32073] Re: K2 reports
by n4js@pobox.com (John Sielke)
109) [32074] Re: rg8 coax need
by "Ed Hare, W1RFI" <w1rfi@arrl.net>
110) [32075] RS12/13 freqs?
by "William H. Hays" <wj5o@juno.com>
111) [32076] WTB Couplers
by James Skalski <jskalski@buffnet.net>
112) [32077] 4FEB Solar Report (for FYB0)
by Paul Harden <pharden@aoc.nrao.edu>
113) [32078] Re: K2 builders, let's hear from you!
by Jay Bromley <w5jay@alltel.net>
114) [32079] Re: Variable Caps
by wb2vuo@juno.com

- 115) [32080] Thanks
by "WILLIAM T. ROSE" <supertec@mail.myriad.net>
116) [32081] Results of the FEBRUARY SPARTAN SPRINT
by "Russ Carpenter" <russ@natworld.com>
117) [32082] The February Issue of The ARS Sojourner is Live
by "Russ Carpenter" <russ@natworld.com>

Date: Wed, 3 Feb 1999 18:05:21 -0600
From: Jeff Johns <jeffj@scott.net>
To: qrp-l@Lehigh.EDU
Subject: [31966] NorCal Posts
Message-ID: <199902040005.SAA01817x@scott.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
Content-Transfer-Encoding: 8bit

Bbeing a newcomer to the HF world and CW, I like the NorCal posts. It's fun to see people get this excited about something and I'm sure it's the same way I'll react when I get my first kit. I'm sure there are other HF & CW newcomers on the list that stay in lurker mode and just absorb the wealth of information available from the 'collective' here on the list. Keep the posts coming... I share in your excitement!

73 Jeff W4JEF

```
*----- Jeff Johns W4JEF - AMSAT# 32615 -----*
|jeffj@scott.net w4jef@amsat.org | Reserve Patrol Captain |
| Satellite: Mir R0MIR-1, AO-27 | Jefferson County Sheriff's Dept|
|200LX+BayPac+FT50=Portable Packet| QTH Birmingham, AL USA |
*-----*
```

Date: Wed, 3 Feb 1999 19:15:07 -0500 (EST)
From: James Skalski <jskalski@buffnet.net>
To: qrp-l@Lehigh.EDU
Subject: [31967] How many Argonaut II's
Message-ID: <Pine.LNX.4.03.9902031913290.667-1000000@valhalla.valhalla.buffalo.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Does anybody know how many Ten Tec 535 Argonaut II rigs were sold?

73,

Jim N2go

Date: Wed, 03 Feb 1999 16:18:32 -0800
From: "Barnaby J.O'Leary" <barnaby@ap.net>
To: Low Power Amateur Radio Discussion <QRP-L@LEHIGH.EDU>
Subject: [31968] Qrp-Satellite
Message-ID: <36B8E758.523B@ap.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Gang:

At about 11:30 AM, I made my first Satellite qrp contact through A0-27 while pedestrian-mobile on my front lawn using a dual-band HT and a hand-held Arrow dual-band Yagi. Yet another milestone!

72,

Barnaby-KQ6EX

Date: Thu, 04 Feb 1999 00:19:40 +0000
From: David Heintzleman <bchurch@megavision.com>
To: qrp-l@Lehigh.edu
Subject: [31969] QQuarterly
Message-ID: <36B8E79B.13D4C7C3@megavision.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Just got my January QQ today, thrilled all to crazy, dynamite!!!!
sure glad we went to putting the issue in envelopes, this is too good to let the post office rip it!!
The spread of articles was FB, even though and because I am not into all the various types of activities -
my email to some authors bounced, I wanted to show appreciation for good input, for their involvement. cheers to the whole crew - the review of TenTec rcvr, idea exchange, whole bunch.

remember, let's enjoy ourselves, and be known by what we appreciate and do with grace to all who differ. It's a lot healthier for the hobby and the newcomer than being known by what we don't like. There's been too much dumping lately on those who are fascinated by facets of the hobby that some aren't into.

to QQ and new editor, excellent
Dave K8BBM QRP ARCI 6354 Fists 4293

Date: Wed, 3 Feb 1999 18:25:24 -0600
From: Jeff Johns <jeffj@scott.net>
To: qrp-l@Lehigh.EDU
Subject: [31970] Thanks to all!
Message-ID: <199902040025.SAA11299x@scott.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
Content-Transfer-Encoding: 8bit

Since I recieved such a large number of answers to my query concerning my purchase of a kit. I wanted to issue a mass, whole hearted, "Thank you!" Many of you really went out of your way to describe your favorite kit and why you like them. All of the answers were great and have greatly influenced my thinking and will help me choose my kit. Once again, thanks to everyone. You are all a great group of guys and gals!

73 Jeff W4JEF

```
*----- Jeff Johns W4JEF - AMSAT# 32615 -----*
|jeffj@scott.net w4jef@amsat.org | Reserve Patrol Captain |
| Satellite: Mir R0MIR-1, AO-27 | Jefferson County Sheriff's Dept|
|200LX+BayPac+FT50=Portable Packet| QTH Birmingham, AL USA |
*-----*
```

Date: Wed, 3 Feb 1999 18:25:20 -0600
From: Jeff Johns <jeffj@scott.net>
To: qrp-l@Lehigh.EDU
Subject: [31971] Isotron Bilal Antennas
Message-ID: <199902040025.SAA11290x@scott.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1

Content-Transfer-Encoding: 8bit
Content-Transfer-Encoding: 8bit

I got a flyer in the mail today from AES and inside the front page is an add for Isotron Bilal Company antennas. These are the most interesting antennas I've seen. They look like something that would be extremely portable and great for a QTH such as mine where my XYL frowns on too many things stuck on the roof and wires hanging from trees. She's about to kill me now for the 10 meter dipole I still have strung up in the backyard (I promised her that I would put it in the attic). Does anyone have any info or links on homebrewing one of these style antennas? They are hexagonal shaped and appear to have some type of coil in the middle of them.

73 Jeff W4JEF

```
*----- Jeff Johns W4JEF - AMSAT# 32615 -----*  
|jeffj@scott.net w4jef@amsat.org | Reserve Patrol Captain |  
| Satellite: Mir R0MIR-1, AO-27 | Jefferson County Sheriff's Dept|  
|200LX+BayPac+FT50=Portable Packet| QTH Birmingham, AL USA |  
*-----*
```

Date: Wed, 3 Feb 1999 17:35:12 -0700
From: Brad Mugleston <bmug@gw1.com>
To: "'qrp-1'" <qrp-1@lehigh.edu>
Subject: [31972] What's going on
Message-ID: <01BE4F9B.914E3720.bmug@gw1.com>

OK,

I know I've been out of it for a while but I'm really trying to get back into the swing of things.

Last night I got on the air and was tuning around on 40M and no one was there other than the bottom 50K and 25 of that I can't use. Those down there were faint and FAST (my problem not theirs). So I moved up the band to see if there were any new novices I could dazzle with my speed (if I could keep up to them) well around 7.093 I heard a voice - nice American voice so I flipped over to sideband and was hoping for some DX. the call was AH6 something (I'm at work and don't have my notes with me). He was talking about a net and to some guy in Alaska who I couldn't hear. I checked and AH6 is Hawaii and the last I heard they are still part of the United States stuff so when did 7.093 become voice for the US of A or am I missing something?

So I guess I have two questions - is 40 now so long I'm in the ocean on both

sides of the country and did voice drop below 7.150?

de KI00T, Brad

Date: Wed, 3 Feb 1999 17:43:46 -0700 (MST)
From: Chris Trask <ctrask@primenet.com>
To: Brad Hernlem <alihernlem@hotmail.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [31973] Re: Ferrite Question
Message-ID: <Pine.BSI.3.96.990203173713.19043A-1000000@usr06.primenet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 3 Feb 1999, Brad Hernlem wrote:

> With the oscillator biased with a 10K source resistor, the output from
> the buffer amp is about 4.8 V P-P but appears clipped unless I reduce
> the emitter resistor on Q2 from 180 ohm to 56 ohm. Looking at the
> collector voltage on the scope, the clipping occurs when it rises to
> about 15V (supply voltage is 12V, BTW). With no load on the secondary
> there is no clipping. Also, clipping can be eliminated by reducing the
> oscillator output by increasing the source resistor.
>
> Why is it that reducing the Q2 emitter resistor (which increases the
> quiescent current) should eliminate the clipping? Is this a ferrite
> limitation or something else? Because the load affects the clipping, I
> assume that it is somehow related to the ferrite's ability to deliver
> current and not a limitation from the voltage swing, per se. Any help?
>

Brad,

What's happening here is that the buffer amplifier, actually a
Darlington pair, is getting into a cut-off condition with the lower bias
current (180 ohms in the emitter of Q2). When you reduced the resistor
to 56 ohms, it then had sufficient bias current to operate below cutoff.
None of what you've seen has anything to do with the ferrite in the
output transformer. Actually, it sounds like everything is working just
fine. You're just overdriving the output buffer, that's all, and using
a lower emitter resistor is the easiest way of curing the problem.

,-----.
/ What's all this \
/ extinct stuff, anyhow? /
\ -----'

Circuit Design for the
RF Impaired

Chris Trask / N7ZWY

>

>-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)
>
>"If it ain't fun, you ain't doin' it right!" -The AZ ScQRPions
>
>FYBO Winter QRP Field Day - Feb 6th - See <www.extremezone.com/~ki7mn>
>

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Wed, 03 Feb 1999 20:00:19 -0500
From: olyellr@iglou.com
To: qrp-l@lehigh.edu, SBillingsley@usaninc.com, kj5tf@madisoncounty.net
Subject: [31975] Re: Another lunchtime QRPP QSO (2mW's)
Message-ID: <3.0.5.32.19990203200019.007d7630@pop.iglou.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 03:09 PM 2/3/99 -0500, you wrote:

>Congrats Sam and Jim!
>
>I had a nice one too about noon on 21061. I answered Tom/KC0W's call
>running 700mW's, and at his urging I dropped to 300, then 50, and finally
>to 2mW's for a solid copy on his end.
>
(etc., etc.)
>
>72/3,
>Mike L.
>

Know it's no big deal, but I meant 14061.

Adrenaline and temporary insanity to blame. :)

72/3,
Mike L.

=====
de AF4LQ
FISTS #4139 QRP-L #1395 ARCI #9870
99% CW OP...for the pure JOY of it.
<http://members.iglou.com/olyellr/>

Date: Wed, 3 Feb 1999 19:58:05 -0500
From: Donald E Sanders <w4bws@juno.com>
To: b_bradfield@yahoo.com
Cc: qrp-1@Lehigh.EDU
Subject: [31976] Re: COAXIAL DC CONNECTORS
Message-ID: <19990203.200836.4734.3.w4bws@juno.com>

That's why I recommend the two conductor Molex type connector sold by the shack. handles 8 amps and you get male and female for about 99 cents. Our local club members have them on all our rigs so they are interchangeable and reliable. We put + on the point.

Donald Sanders W4BWS
694 E. Eau Gallie Blvd. Satellite Beach, FL 32937
407-779-0222 Fax 407-779-0830
W4BWS@juno.com
My favorite QRP rig glows in the dark

On Wed, 3 Feb 1999 12:32:43 -0800 (PST) Brad Bradfield
<b_bradfield@yahoo.com> writes:

>
>Hello Mr and Mrs QRP and all the ships at sea - -
>
><STEP UP ON SOAPBOX>
>As I've mentioned here before, I've had terrible luck with the very
>poor quality of the available coaxial DC connectors made to mate with
>the chassis connectors used on most of the QRP stuff on the market
>today. Specifically Radio Shack, which is about the only easily
>accessible supplier most of us have. The connectors have on more than
>one occasion literally fallen apart before they could be attached to
>the power cable.
><STEP OFF SOAPBOX>
>
>Anyway, when I recently assembled my WM-2 wattmeter, I found that OHR
>supplied a six foot cable with pigtails on one end, and a molded on
>connector on the other. This was just what I needed. So I dropped
>Dick at OHR an e-mail to see where he purchases these cable
>assemblies, and found out that they're an off the shelf item from
>Mouser.
>
>Now the WM-2 (and I assume most of the other OHR kits) uses a 5.5mm
>connector with a 2.5mm center pin. My Sierra, on the other hand, as
>well as the MFJ equipment uses a 5.5mm connector with a 2.1mm center
>pin. Looking in the Mouser catalog, I found both sizes, as well as
>the smaller barrel size, available as well. These cables assemblies
>are very inexpensive. My Mouser catalog is a year and a half old or

>so, so prices may have changed a bit, but probably not that much. The
>2.1mm cable assembly is Mouser part number 172-4101, and is priced at
>\$1.26 in single quantities, and \$1.05 in quantities of 10. Mouser has
>no minimum order, and shipping is very reasonable. The 2.5mm cable
>(different part number, which I didn't write down) is the same price.
>I think this is well worth the price.

>

>I also wanted to mention that I was very impressed with the WM-2
>wattmeter. I've been building kits and homebrewing for nearly 40
>years, and this was a fine kit. My only mod to it was the replace the
>2.5mm power connector with a 2.1mm version to match that used on my
>other equipment. Dick has put out a great product here!

>

>T-minus sixty-five and a half hours and counting till FYB0. Boy I
>hope it's a cold morning here in North Texas!

>

>Oh, well.

>

>72's es 73's,

>

>Brad, W5CGH

>

>

>

>

>==

>Brad Bradfield, PE W5CGH Systems Engineer
>(ex WB0CGH) Raytheon Systems Company

>

>Real men talk with their fingers!!

>

>QRP-L #377 SMIRK #4906
>ARS #72 Austin QRP Club #e

>

>-----
>DO YOU YAHOO!?

>Get your free @yahoo.com address at <http://mail.yahoo.com>

>

>

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Wed, 3 Feb 1999 17:22:45 -0800 (PST)
From: Theodore Wong <wong_th@eng.printronix.com>

To: qrp-1@lehigh.edu
Subject: [31977] Re: Qrp-Satellite
Message-ID: <199902040122.RAA00169@taz.primtronix.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-MD5: DdSiBFevVmZ6Z738BnRSHQ==
Content-Transfer-Encoding: 7bit

Satellite QRP sounds fun. How does one start other than owning a dual band HT?
i.e. antennas required, power required, satellite tracking etc.

Regards,

Tedd, AB6CO

Date: Wed, 3 Feb 1999 19:41:45 -0600
From: Jeff Johns <jeffj@scott.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [31978] Re: Qrp-Satellite
Message-ID: <199902040141.TAA10269x@scott.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
Content-Transfer-Encoding: 8bit

On Wed, 03 Feb 1999 16:18:32 -0800, "Barnaby J.O'Leary" <barnaby@ap.net> wrote:

> At about 11:30 AM, I made my first Satellite qrp contact through A0-27
> while pedestrian-mobile on my front lawn using a dual-band HT and a
> hand-held Arrow dual-band Yagi. Yet another milestone!

It's a blast, isn't it? I have a homebrew Arrow style antenna, but normally
only use my whip antenna, it's much more portable and I have had good
success with it. I am real close to a WAS via A0-27 with nothing more than a
HT and whip antenna! Have fun!

73 Jeff W4JEF

```
*----- Jeff Johns W4JEF - AMSAT# 32615 -----*
|jeffj@scott.net w4jef@amsat.org | Reserve Patrol Captain |
| Satellite: Mir R0MIR-1, A0-27 | Jefferson County Sheriff's Dept|
|200LX+BayPac+FT50=Portable Packet| QTH Birmingham, AL USA |
*-----*
```

Date: Wed, 03 Feb 1999 20:40:32 EST
From: wb2vuo@juno.com
To: qrp-1@lehigh.edu
Subject: [31979] Possible group buy: Variable caps
Message-ID: <19990204.013948.5127.0.wb2vuo@juno.com>

I emphasize the "POSSIBLE", the caps are not in our hands as of yet...

My brother-in-law has come up with an auction lot of air-variables, dual section units. I have one here, and the unit(s) look nice. a bit smaller than the old-style BCB tuning caps, and they have a built-in 6:1 reduction drive.

The sections have a maximum capacity of 100 pf and 200 pf, and the minumums are too low for my meter to read accurately, less than 15 pf.

Jim says that he can sell these, WHEN THEY ARE HERE, for \$3 each plus shipping. I weight this one out at just under 2 oz, so figure \$0.75 to \$1.00 for shipping, this figure to be determined.

I am looking for interest in these before they arrive. Drop me a note if you want some, but NOT HERE and NOT ON THE LIST. Send it to the B/BAMS club Email account, qrp10@juno.com

I will get a list, get together with Tom and co-ordinate this if there's enough interest. Tom is not a ham, nor is he on-line, but he's got a great nose for deals

Remember, respond to qrp10@juno.com, not here and let's see what the level of interest is. He's getting 2 boxes of the cap, about 200 parts total.

72/73, Keith, WB2VU0, 100% QRP from the Depths of the Great Bergen Swamp. Trustee, B/BAMS club station and the NQ2RP/B 10 Mtr QRPP beacon
"My night light runs more power than my Rig!!!"

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Wed, 3 Feb 1999 20:56:56 -0500
From: Fred J Kalt <w2xn@juno.com>
To: qrp-l@lehigh.edu
Subject: [31980] Fw:
Message-ID: <19990203.205838.-869933.1.w2xn@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

it's there tonite.

w2xn fred, Lakeland, FL

----- Forwarded message -----
From: William Phinizy <wphinizy@connect3.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Date: Wed, 3 Feb 1999 10:26:47 -0800
Message-ID: <01E700B492CBD1118441006097B68072127030@longbeach_exch>

Anybody know what happened to the QRP Homebuilder's web site? Yesterday it was there, and now I can't connect. The URL is:

<http://qrp.pops.net/qrp/>

..thanks in advance.

Date: Wed, 3 Feb 1999 20:55:35 -0500
From: Fred J Kalt <w2xn@juno.com>
To: qrp-l@lehigh.edu
Subject: [31981] Fw: Hamstick ground planes
Message-ID: <19990203.205838.-869933.0.w2xn@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

John,

A friend of mine uses a pair of the Hamsticks as a dipole. They have a bracket available to do this. You could either do it as horizontal or make it into a vertical dipole for non-directional. I am thinking of doing the same thing.

Fred W2XN
Lakeland, FL
W5YI-VE Skywarn #POL-007 Polk County ARES Net Manager AR QRP
#233 QRP-L #1728
My Web Page:
<http://www.geocities.com/ResearchTriangle/Thinktank/5344/>

----- Forwarded message -----
From: John Mckee <JMckee@RFMD.com>
To: "'QRP-L'" <qrp-l@lehigh.edu>, "'KLQRP'" <klqrp@waterw.com>
Date: Wed, 3 Feb 1999 13:18:49 -0500
Subject: Hamstick ground planes
Message-ID:
<c=US%a=_%p=RF_Micro_Devices%l=PACHACUTEC-990203181849Z-177320@proxy1.rfmd.com>

Hello Gang,

Has anyone ever used a Hamstick as a ground plane with radials, WITHOUT a tuner and had good results? I need to build a light weight portable/backpacking antenna. What I'm thinking about is using about a 6 foot PVC pipe with the antenna on top and 3 or 4 drooping radials.

Tnx es 73,

John WB4OFT
wb4oft@arrl.net

===== KL QRP Club Mailing List =====
To unsubscribe from this list, send email to listserver@vramp.net and put the text "unsubscribe klqrp" in the message. To post a message to the list, send email to klqrp@vramp.net.

Date: Wed, 3 Feb 1999 20:06:21 -0600
From: Jeff Johns <jeffj@scott.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [31982] Re: Qrp-Satellite
Message-ID: <199902040206.UAA20639x@scott.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1

Content-Transfer-Encoding: 8bit
Content-Transfer-Encoding: 8bit

On Wed, 3 Feb 1999 17:22:45 -0800 (PST), Theodore Wong
<wong_th@eng.printronix.com> wrote:

> Satellite QRP sounds fun. How does one start other than owning a dual band HT?
> i.e. antennas required, power required, satellite tracking etc.

Well... to see what I work Mir on a regular basis go to:

<http://www.tigertronics.com/sheriff.htm>

I am so proud of my R0MIR qsl cards :) An HT with a gain whip antenna is the minimum required for working AO-27. I've done that many times at 1 watt. AO-27 has an extremely sensitive receiver. For Mir a simple groundplane antenna and some basic packet software will do the trick. If you can let me know which bird you are interested in working, I'll do my best to answer any questions I can. If I can't answer them, I'll point you in the right direction.

73 Jeff W4JEF

```
*----- Jeff Johns W4JEF - AMSAT# 32615 -----*
|jeffj@scott.net w4jef@amsat.org | Reserve Patrol Captain |
| Satellite: Mir R0MIR-1, AO-27 | Jefferson County Sheriff's Dept|
|200LX+BayPac+FT50=Portable Packet| QTH Birmingham, AL USA |
*-----*
```

Date: Wed, 3 Feb 1999 21:12:04 -0500
From: "Rob Dey" <rdey@myhost.com>
To: <qrp-1@Lehigh.EDU>
Subject: [31983] Anyone with 14.060 MHz crystals?
Message-ID: <199902040212.VAA04844@mail.myhost.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I'm looking for a cheap source for a couple of 14.060 MHz crystals, so that my friend and I can put our TIXIE transceivers on 20-meters.

Any info is greatly appreciated.

Thanks in advance.

72/73,

Rob L. Dey, KA2BEO
E-mail: rdey@myhost.com
Rob's Ham Shack
<http://www.myhost.com/rdey>
Point Pleasant, NJ, USA
Member: ARRL, 10-X #65539, NorCal #2249, QRP-L #1807, NJ-QRP #176, ARS
#506, JSARS, AWA

Date: Wed, 03 Feb 1999 21:19:13 EST
From: wb2vuo@juno.com
To: qrp-l@lehigh.edu
Subject: [31984] wb2vuo@juno.com: Possible group buy: Variable caps
Message-ID: <19990204.021817.5127.2.wb2vuo@juno.com>

This bounced the first time, and I had a typo, too...

Read on

----- Begin forwarded message -----

From: wb2vuo@juno.com
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: Possible group buy: Variable caps
Date: Wed, 03 Feb 1999 20:40:32 EST
Message-ID: <19990204.013948.5127.0.wb2vuo@juno.com>

>
>I emphasize the "POSSIBLE", the caps are not in our hands as of yet...
>
>My brother-in-law has come up with an auction lot of air-variables, dual
section >units. I have one here, and the unit(s) look nice. a bit
smaller than the old-style >BCB tuning caps, and they have a built-in 6:1
reduction drive.
>
>The sections have a maximum capacity of 100 pf and 200 pf, and the
minumums >are too low for my meter to read accurately, less than 15 pf.
>
>Jim says that he can sell these, WHEN THEY ARE HERE, for \$3 each plus
^^^
(Sorry, it's my other Bro-In-Law, Tom, see below)

>shipping. I weight this one out at just under 2 oz, so figure \$0.75 to

\$1.00 for >shipping, this figure to be determined.
>
>I am looking for interest in these before they arrive. Drop me a note
if you want >some, but NOT HERE and NOT ON THE LIST. Send it to the
B/BAMS club >Email account, qrp10@juno.com
>
>I will get a list, get together with Tom and co-ordinate this if there's
enough >interest. Tom is not a ham, nor is he on-line, but he's got a
great nose for deals
>
>Remember, respond to qrp10@juno.com, not here and let's see what the
level of >interest is. He's getting 2 boxes of the cap, about 200 parts
total.
>
>
>72/73, Keith, WB2VU0, 100% QRP from the Depths of the Great Bergen
Swamp.
>Trustee, B/BAMS club station and the NQ2RP/B 10 Mtr QRPP beacon
>"My night light runs more power than my Rig!!!"
>
>_____>__ You
don't need to buy Internet access to use free Internet e-mail. Get
>completely free e-mail from Juno at <http://www.juno.com/getjuno.html> or
call >Juno at (800) 654-JUNO [654-5866]
>----- End forwarded message -----

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Wed, 03 Feb 1999 19:24:49 +0000
From: Roger Hightower <n7kt@earthlink.net>
To: bmug@gwl.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [31985] Re: What's going on
Message-ID: <36B8A281.9F9D0045@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Per the ARRL Operating manual:

40 Meters: Phone operation is allowed on 7075-7100 kHz in Puerto Rico,
US Virgin Islands and areas of the Caribbean south of 20 degrees north

latitude; and in Hawaii and areas near ITU Region 3, including Alaska.

Everyone should have the Operating Manual _as well as_ the ARRL Handbook in the shack. Answers a lot of questions.

--

72/73, de Roger, N7KT - QRP-L #62 - Zombie #006 - Mesa, AZ

Date: Wed, 3 Feb 1999 21:08:45 -0600
From: "Rud Merriam" <rmerriam@usa.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [31986] Re: Lemon-powered K2 ?!!
Message-ID: <0ac801be4feb\$f6f4cda0\$be96cdcf@sisyphus>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I wonder how much you could get using concentrated lemon juice in glass cells. Then compare it with lime juice. The make margaritas.

Rud Merriam KD5DTV
rmerriam@usa.net
<http://www.mindspring.com/~rudm/Index.html>

-----Original Message-----

From: Radman <radman@best.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Wednesday, February 03, 1999 5:16 PM
Subject: Lemon-powered K2 ?!!

>Gang,

>

>I'm working on it :-) All this talk about lemon batteries
>inspired me to build a 4-cell lemon batt, using "scrap"
>lemons from the tree in my front yard (6-Land). I was
>amazed that I could light up a LED !! No-load voltage =
>3.68 volts. Test under load, V = 1.55 volts, I = 16mA. I
>was using one of the clear jumbo LEDs from RS... part
>number escapes me. So, Is 5 watt QRP lemon-power possible?
>I think so.... I need to refine my batts to get more
>current. Office paper clips and scraps of double-sided PC
>board work for the electrodes, but zinc & copper will
>probably yield more current.

>

>Lemon cell schematic follows:

>

> - () + - () + - () + - () +

>

>Now, about my K2 kit.... I'm working on it !! I've been
>swamped with "real work" and that's slowing things down a
>bit. I'll update on K2 progress as soon as possible. But,
>I'll wager that someone -- maybe me -- will work a
>coast-to-coast QSO on a lemon-powered K2 :-)

>

>Film at 11:00,

>

>72 - Conrad Weiss - NN6CW

>

>

Date: Wed, 3 Feb 1999 19:21:00 -0800 (PST)

From: Paul Erickson <paule@sfu.ca>

To: qrp-l@lehigh.edu (qrp), qrp-canada@lists.gpfn.sk.ca (qrp-canada),
rac@cisco.com (Richard Chycoski), fee@vancouver.sgi.com (David Fee - VE7SGI)

Subject: [31987] schematic help

Message-ID: <199902040321.TAA11475@fraser.sfu.ca>

MIME-Version: 1.0

Content-Type: text/plain; charset=US-ASCII

Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Anyone know where I could find the schematic for an RCA
camera AC adapter, ref. 2000 series 606 T

I would like to be able to use the charging circuit for
my gel cells.

cheers, Paul VE7CQK/email: paule@sfu.ca

Date: Wed, 03 Feb 1999 19:24:55 -0800

From: Jeff Grudin <grudin@pacific.vdbs.com>

To: QRP-L <qrp-l@lehigh.edu>

Subject: [31988] K2 DX Alert

Message-ID: <36B91307.859F1B69@vdbs.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Well guys ... I know I had a jump on you and I hate to rub it in, but I have to tell you. I just worked 8Q7AC in the Maldives on 20M with 5W Split. Got a 559. Split on this rig is REALLY cool. You guys are going to love it.

Now get off the phone and get them irons fired up.

--

73 de AC6KW <mailto:grudin@vdb.com>
Jeff Grudin, DVM Web Add: <http://www.vdb.com/~grudin>
Ocean Animal Clinic / Cat Clinic of Santa Cruz - Santa Cruz, California
Norcal QRP #1292 QRP-L #16 ARS #351 AR Qrp #131

Date: Wed, 3 Feb 1999 17:42:20 -0800
From: dave_epps@juno.com
To: qrp-l@lehigh.edu
Subject: [31989] .xls viewer for NC20 parts list
Message-ID: <19990203.193323.-187943.2.dave_epps@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I know this is a backdoor path, but I couldn't make other url's work.
Goto www.elecrafter.com click on K-2 manual and it will lead to
a link for a lot of different microsoft viewers.
This worked for me. Warning though! Don't linger too long on the K-2
page or you will want one. While you there you might as well download
the K-2 manual, get the viewer and see what the qrp rig of the future
looks like.
dave ab5pc fresno, ca.

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Wed, 3 Feb 1999 21:53:55 -0600
From: Jeff Johns <jeffj@scott.net>
To: qrp-l@Lehigh.EDU
Subject: [31990] Everyone Agrees
Message-ID: <199902040353.VAA29300x@scott.net>

MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
Content-Transfer-Encoding: 8bit

Well I finally found something that all list members agree upon. I think it's unanimous that antennas made by Isotron Bilal aren't the direction I should go when selecting a portable antenna for my soon to be purchased QRP rig. So folks.... you've helped me along with comments on rigs, now let's talk antennas. Here at home, I plan on putting up some form of dipole. Let's face it, they are cheap, easy to build, easy for me to tune to the Novice section of the band I'll be attempting to work and to make my XYL happy I can string it up in the attic with a minimum of signal degradation. When I finally get my rig bought and built, I'd like to be able to take it with me, not necessarily to work while mobile but a lot of nights when I'm on patrol, there can literally be hours when there are no calls to be answered and I have a bit of free time on my hands. We are allowed to add an extra antenna to our patrol car provided it isn't much larger than the average sized 11 meter antenna and I have already installed a dualband VHF/UHF antenna to work the area repeaters. The other antennas on the car are one small 1/4 wave for our trunked 800MHz system and another one for our MDT's. One thing I have thought of is possibly stringing up a small guage wire dipole and just leaving it up in the trees in a rural part of the area where I work. It probably wouldn't be noticed by anyone and if it was and it got taken/destroyed I would be out very much money. Does anyone else have a better suggestion of something that is fairly quick and easy to put up, use and then get back down again?

73 Jeff W4JEF

```
*----- Jeff Johns W4JEF - AMSAT# 32615 -----*
|jeffj@scott.net w4jef@amsat.org | Reserve Patrol Captain |
| Satellite: Mir R0MIR-1, AO-27 | Jefferson County Sheriff's Dept|
|200LX+BayPac+FT50=Portable Packet| QTH Birmingham, AL USA |
*-----*
```

Date: Wed, 03 Feb 1999 19:58:26 -0800
From: W7LS <w7ls@blarg.net>
To: jeffj@scott.net
Cc: qrp-l@lehigh.edu
Subject: [31991] Re: Isotron Bilal Antennas
Message-ID: <36B91AE2.534E@blarg.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

There was a thread on this just a little while back. The gist of it is this: Don't go near it, unless that is all the space you have available. It is a horribly inefficient radiator. Couple that with qrp, and you'll never see another qso. It will load, ok. It will not radiate worth a dang. I had one. It is basically a severely loaded dipole. All parts are available at a hardware store. It is a piece of PVC and housewire for the loading coil. They tap it down a few turns and run the hot side of the coax to it. GL/73 de Jim, W7LS

Jeff Johns wrote:

```
>
> I got a flyer in the mail today from AES and inside the front page is an add
> for Isotron Bilal Company antennas. These are the most interesting antennas
> I've seen. They look like something that would be extremely portable and
> great for a QTH such as mine where my XYL frowns on too many things stuck on
> the roof and wires hanging from trees. She's about to kill me now for the 10
> meter dipole I still have strung up in the backyard (I promised her that I
> would put it in the attic). Does anyone have any info or links on
> homebrewing one of these style antennas? They are hexagonal shaped and
> appear to have some type of coil in the middle of them.
>
> 73 Jeff W4JEF
>
> *----- Jeff Johns W4JEF - AMSAT# 32615 -----*
> |jeffj@scott.net w4jef@amsat.org | Reserve Patrol Captain |
> | Satellite: Mir R0MIR-1, AO-27 | Jefferson County Sheriff's Dept|
> |200LX+BayPac+FT50=Portable Packet| QTH Birmingham, AL USA |
> *-----*
```

Date: Wed, 3 Feb 1999 22:20:46 -0600
From: "Nathan Odle" <nodle01@mail.coin.missouri.edu>
To: <qrp-l@lehigh.edu>
Cc: <qrpbob@datatamers.com>
Subject: [31992] Sick SST. I'm about to go crazy...
Message-ID: <000101be4ff5\$bcb4cd20\$0100a8c0@jake>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

To all of you technically adept QRP-L members:

OK, STILL have major SST probs. It's the 30m version. This is really getting frustrating, folks. Here's the situation:

1. No real output to speak of from the antenna jack. I listen to the SST on a Yaesu FT-990 and hear a small signal that doesn't even deflect the S-Meter. It seems to be covering the correct frequency range though. Adjusting C28 has no effect, except when you touch it with a metal tool the S-meter on the 990 jumps to about a 5. The only meter I have around that even gets close to what I need for this is an old Palomar 500 (hey, I'm broke) that I think was used for CB once upon a time (before my day). Even on the 0-10W range, the needle doesn't budge.

2. Not hearing anything but my own signal (and yes, I was plugged into an antenna - a Mosley beam). When the volume is cranked, I hear a little hiss, nothing else. I can't peak C1 because I don't hear anything - even on a band FULL of nice signals. The FT-990 was hearing all kinds of good sigs without an antenna even plugged in. I can, however, hear the 990 when it's RIGHT NEXT TO ME and transmitting into a dummy load (on the same Freq I hear the SST on - the TX/RX is not shifted). The AGC light sometimes flickers when this is happening...and also rarely flickers when I transmit.

3. A thorough check of the DC voltages on the ICs as given by the chart shows everything is pretty much within parameters, except for the following places (checked with my Fluke DMM):

Rcv:

	Spec	Measured
	----	-----
Q1-S:	0.9	1.9 !

Xmit:

	Spec	Measured
	----	-----
U1-1	-0.5	1.1 !
U1-2	-0.9	0.8 !
U2-5*	7.6	8.0 ?
U4-4	6.8	6.4
U4-5	6.8	6.3
U5-2	7.2	6.9
U5-7	13.7	13.8
Q1-S:	0.9	1.9 !
Q2 **		

! = Big discrepancy

? = Not a big discrepancy, but it was identical on transmit and receive.
The numbers say it's supposed to drop on TX.

* When the probe is touched to this point, the little bit of noise that IS coming out of the headphones goes mute.

** Even though the manual says voltages on Q2 can't be measured because of loading by DMM probe, not even the slightest output is seen anyway (shouldn't one see at least SOMETHING?)

4. Other notes: VX0 is covering 10.105 - 10.118. Also, the power supply is a good Astron that shows exactly 13.8v on my DMM.

I am using stereo headphones, I've checked the toroids for continuity (poorly stripped leads) and correct winding, X6 is NOT confused with the others and the filter XTAL cans are properly grounded, The ICs are in correctly, none of the electrolytics are in backwards, the molded inductors are in the right places, as are the trimmer pots, and ALL of the other parts for that matter (I double-checked the ENTIRE parts list to verify parts placement just now). D4 is the MV209, but it was exhibiting the problem with the other varactor as well. There are no broken traces that I can see. I have also checked the solder joints thoroughly - nothing wrong there either - no bridges, cold joints, etc...

I hope someone can help me with this...I'm at my wit's end. I admit I'm don't know as much about this stuff as I'd like to, and hope it's not something really stupid. I've told you everything I know about the situation, hope it's enough for a solution. I was planning to show it at our meeting on the 9th, hopefully it'll be running before then... Thanks in advance for any of your assistance...I really don't want to wind up paying the "flat fee" price of \$50 + shipping that I don't have, just to get this rig going.

TNX es 73,
Nathan
KB0NNV

Date: Wed, 03 Feb 1999 23:23:47 -0500
From: "David Hurley, n2zhy" <n2zhy@amsat.org>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [31993] Re: Sick SST. I'm about to go crazy...
Message-ID: <36B920D3.22C34449@amsat.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Nathan:

Sorry I can't help but, it sounds like an excellent learning experience for us RF challenged guys.

Please post any replies to the list.

Thanks and GL

David,n2zhy
Princeton,NJ

> OK, STILL have major SST probs. It's the 30m version. This is really
> getting frustrating, folks.

Date: Wed, 03 Feb 1999 23:42:59 -0500
From: Tom Palmer <n1tp@worldnet.att.net>
To: rwc@fri.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [31994] Re: New Callsign...
Message-ID: <36B92552.43FF0C12@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Congratulations! Rod. It certainly took the FCC long enough to issue NØRC.

Tom, N1TP.

rwc@fri.com wrote:

> was KØRWC
>
> am now NØRC
>
> Thanks to Tom, N1TP for alerting me that it was available.
>
> 72/3, NØRC
> Rod Cerkoney
> Fort Collins, CO

Date: Thu, 4 Feb 1999 00:03:46 +0000
From: "Steven Weber" <kd1jv@moose.ncia.net>
To: nodle01@mail.coin.missouri.edu
Cc: qrp-1@lehigh.edu
Subject: [31995] Re: Sick SST. I'm about to go crazy...
Message-ID: <199902040449.XAA28587@moose.ncia.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

- > 1. No real output to speak of from the antenna jack. I listen to the SST
>
> 2. Not hearing anything but my own signal (and yes, I was plugged into an

Sounds to me there isn't any continuity through the low pass filter.
Make sure the enamel is scraped clean off the magnet wire and the
solder stuck to it well. A real common problem..

If that's not it, good luck, but a real good look over for solder
shorts, those pesty little metal shavings caused by insterting parts
in the holes, or open pcb tracks would be a good start.

BTW, If you get too fustrated, I'll fix if for shipping costs (and
parts if needed), just to get a good look at one...

72,
Steve, KD1JV in the white Mountains of New Hampshire
"melt solder"

Date: Wed, 3 Feb 1999 23:49:39 -0500
From: wa8jpr@juno.com
To: qrp-1@Lehigh.EDU
Subject: [31996] Emtech information
Message-ID: <19990203.235022.-702617.0.WA8JPR@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

This list is really the greatest. I just wish to thank all those who took
the time to pass on their thoughts on the Emtech kits. From all the good
reports, it makes me want to order tonight. Must wait a month or so
however as I have a couple of other projects to finish first. Again
thanks to all. You made my decision very easy.

72/73 Bill

Wa8jpr

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Thu, 04 Feb 1999 04:54:15 GMT
From: mwattcpa@earthlink.net (Marty Watt)
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [31997] Re: Qrp-Satellite
Message-ID: <36be26c0.86347877@mail.earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: quoted-printable
Content-Transfer-Encoding: quoted-printable

On Wed, 3 Feb 1999 20:06:21 -0600, Jeff Johns <jeffj@scott.net> wrote:

>On Wed, 3 Feb 1999 17:22:45 -0800 (PST), Theodore Wong =
<wong_th@eng.printronix.com> wrote:

>
>> Satellite QRP sounds fun. How does one start other than owning a dual=
band HT?
>> i.e. antennas required, power required, satellite tracking etc.

There are some internet sites that will track birds for you ...

<http://acsprod1.acs.ncsu.edu/scripts/HamRadio/sattrack>

<http://www.bester.com/satpasses.html>

--

72 es 73 de Marty, KM7W

-----=

Memphis, Tennessee =
<http://home.earthlink.net/~mwattcpa>
VE -- NorCal #2031 -- ARCI #7514 -- QRP-L #0953 -- AK/QRP #098 -- Grid =
EM55ce
CODE WARRIOR(c) #29 -- Mobile CW -- "Taking Code on the Road with a =
Vengeance"

Member -- Tennessee Contest Group

Date: Wed, 3 Feb 1999 23:55:15 EST
From: N7YA@aol.com
To: qrp-l@lehigh.edu
Cc: lowpowerdx@egroups.com, dx-list@makelist.com, bugsandkeys@egroups.com, cw@qth.net, dx@qth.net, fistlist@egroups.com
Subject: [31998] Satellite downlink freqs
Message-ID: <4da51c8b.36b92833@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Im just getting into a new phase of radio. ever since i heard MIR on the scanner, ive been facinated with hearing more satellites. ive been watching them fly through the night sky since i was a kid, i dont know what it is, maybe how isolated and distant they are...who knows! i just want to listen to them.

does anyone know where i can find a frequency listing for various satellite downlinks, or plotting charts and pass times. i would like to listen to anything that may be emanating from these lonely birds....weather, ham, scientific, spy, geophysical, communications, TV...it doesnt matter, im hooked.

its only a matter of time before i try the ham sats for qsos. i apologize if this is a bit off topic for the various reflectors i have this posted on, but i just didnt know where else to look. Thanks!!

73...Adam, N7YA

Date: Wed, 3 Feb 1999 22:08:22 -0700
From: Gary L Surrency <gsurrency@juno.com>
To: qrp-l@lehigh.edu
Subject: [31999] NC20 2-way
Message-ID: <19990203.220822.-4146811.0.gsurrency@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Fellow QRPers,

Well, unless someone else has beat us to it, Chuck K5F0 and I had a brief 2-way QSO on our NC20's tonight. He was running 1 watt and had a nice 569 to 579 signal here near Phoenix, and he gave my 5 watt signal the same report. His gel cel was beginning to go down though, since there was just a hint of a chirp on his signal. But I really had to strain to hear it

and I'm super critical about the quality of rigs (especially *this* one !!!). Guess a 3 AH gel cel won't run a NC20 very long. ;-)

I lost him in the QSB when I turned it back over to him, so if you're reading this Chuck, thanks for the contact and soon there will be many more of these fine rigs on the air for us both to work. :-)

BTW, I didn't detect any drift at all while we were operating. I was running the "fully modified" prototype here, which is basically the same as the ones that are shipping, but it's been "breathed on" a bit by me over the past two months. The new one is on the bench now and starting to show signs of life.

Keep on building and posting those reports!

72,

Gary Surrency AB7MY QRP-L #571 Chandler, AZ (near Phoenix)

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Thu, 4 Feb 1999 00:11:57 -0600 (CST)
From: aweiss@usd.edu (Ade Weiss WORSP)
To: qrp-l@lehigh.edu
Subject: [32000] RE: 160m Contest and Minimal Setup
Message-ID: <199902040611.AAA19150@sunburst.usd.ed>

Hi gang:

Boy, K7IR sure did some impressive stuff during the contest!

Every now and then, someone asks if QRP will work out on 160... nuff said!

My results are:

196 QSOs 43 states 4 Provs + KL7 and KH6; score around 19500 or something.

I missed AL LA MS RI ME. Heard an RI and LA but both were S&P'ing and not staying and CQ'ing on freq.

Great thing -- KU7Y and I had wanted to hook up during the test -- and we finally did! Fantastic to work 2-way QRP weak-signal.

But, and this may be my best all-time DX -- working KL7 and KH6 on 160m is to me simply incredible. Blew me away!! Still!! I once worked HK0 San Andres but that was with 100w and a 1900ft longwire.

OK -- those of you who want to know whether to try 160m and what kind of antenna you need. K7IR 88ft tower is just great, but we can't all do that well.

Here, I used my 40m Zepp, oriented E-W, up 45ft E and 55ft W. I had six 66ft radials under it at first -- all flared to the east and west because of a narrow yard. Then I added my 7 23ft radials I use with the SLV. Then I strung out 3 more 33ft radials.

Now, as a DX antenna on 160, this is like working DX on 20m with a 4ft pole over some 2ft radials -- exagerrating to make the point. This is a crap antenna for 160m. It is the best I can do on a narrow city lot. Oh for the days of my 1900ft and 1300ft longwires up 80-90ft! BUT, I was routinely working the east coast, and to my disbelief, I nailed about 15 or more west coast stns -- long shot over the rockies.

So, if any of you want to try 160m, the point is: tied the end of your feedline together and feed as a random wire. Stick whatever kind of radials you can manage, in whatever configuration you can manage, under the antenna. Bring the feedline and radials to the antenna tuner, tune up, and give it a try.

Forgot to mention -- that Sierra QRP-Bob awarded me at Pacificon is a dream rig in my opinion. The ABX filter (great job Wayne!) made it possible to work really weak signals in the middle of block-busting signals. I finished doing the 5w final the nite before the contest, and it hummed away most of Fri and Sat nights. Fri. nite was very bad because of QRN on the other ends -- a lot of repeating. K4LTA gets the "Patience Award" for five minutes of repeats needed for him to copy me during bursts of QSB. I can't believe that he stayed in there that long! Neither the KL7 nor KH6 needed more than a couple of repeats. K4LTA is the kind of operator that makes QRP feats possible!

This was my first 160 WW DX in more than a quarter century. Boy! what a comeback! The Sierra deserves a lot of the credit for making it enjoyable.

72 all, Ade W0RSP

Date: Thu, 4 Feb 1999 01:22:10 EST
From: KF4DTE@aol.com
To: qrp-1@lehigh.EDU
Subject: [32001] transverters
Message-ID: <90d23036.36b93c92@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

hello,

could someone help me out? i am wanting to build a low power six meter and two meter converter (seperate units). i know ten tec has the kits for sale but i want to be thrifty (cheap!) and try to homebrew both items.

could someone send me a schematic and build sheet? or, point me where to go to find it? has anyone homebrewed the above items? pls let me know. any info is appreciated.

73 kf4dte
mike prevatt
lake hendry, fl

Date: Wed, 03 Feb 1999 22:29:38 -0800
From: David Fifield <fifield@pacbell.net>
To: k7gt@arrl.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [32002] Re: NC20 spreadsheet -> ASCII
Message-ID: <36B93E52.482C3652@pacbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Allan et al,

I have put a Word file up on my www site now as well. The URL is:

<http://home.pacbell.net/fifield/NC20.html>

The excel file is now a dual purpose version for excel '97 and '95/5.0. However, it will take some more work to produce a simple ASCII version. Later this week maybe.

I'm surprised there isn't a simple UNIX utility to extract the information from .xls or .doc files - doesn't this stuff exist for UNIX users already??

72, Dave Fifield, AD6A

Allan G Taylor wrote:

>

> The NC20 spreadsheet in Excel format is of no use to me....

Date: Thu, 4 Feb 1999 01:29:13 -0500
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: //QRP-L Discussion Group <QRP-L@Lehigh.edu>, "+Doc W.D. Lindsey/K0EVZ" <70511.3041@compuserve.com>
Subject: [32003] Help:Schurr Paddles
Message-ID: <199902040132_MC2-692A-AB@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline
Content-Transfer-Encoding: 7bit

Gang:

Anyone know where I can get replacements for the Schurr Paddle finger pieces? My Schurr Profi took a tumble tonight and the left finger piece snapped in two 8-(. This is the clear plexiglass piece. Really hope someone can offer a suggestion. Thanks in advance.

72/73,
--Doc Lindsey/K0EVZ
DSBF
P.O. Box 7187
Bismarck, ND 58507
E-Mail 70511.3041@compuserve.com

Date: Wed, 03 Feb 1999 22:59:36 -0800
From: David Fifield <fifield@pacbell.net>
To: vole@primenet.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [32004] Re: FYB0: Submitting Results (Summary Sheet Please!)
Message-ID: <36B94558.E4FA2989@pacbell.net>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Joe,

The URL in this email needs a little adjustment, it should be:

<http://www.extremezone.com/~ki7mn>
^^^

Hope to work lots of you this weekend in FYBO if I don't have to go away on business again!

72, Dave Fifield, AD6A

Joe Gervais wrote:

(snip)

> When you send in your FYBO logs (either email or
> "snailmail"), please please PLEASE use the FYBO
> Summary Sheet located at ScQRPion Bob's website
> <<http://www.extremezone.com/~ki7mn>>. Just follow
> the links to "QRP Contest" and then "FYBO".

Date: Wed, 3 Feb 1999 22:58:33 -0800
From: "Radman" <radman@best.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>,
<70511.3041@compuserve.com>
Cc: "Marshall Emm" <mgemm@mtechnologies.com>
Subject: [32005] Re: Help:Schurr Paddles
Message-ID: <199902040655.WAA07580@proxy3.ba.best.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Doc,

Check with Marshall Emm at URL:
<http://www.mtechnologies.com/keys.htm>
email: mgemm@mtechnologies.com

He sells the Schurr paddles. HRO also sells them. (I'm not sure about parts.)
Could you fellows post to the list as to *where* to order the replacement parts? :-)

GL es 72 - Conrad - NN6CW

Anyone know where I can get replacements for the Schurr
Paddle finger
pieces? My Schurr Profi took a tumble tonight and the left
finger piece
snapped in two 8-(. This is the clear plexiglass piece.
Really hope
someone can offer a suggestion. Thanks in advance.

72/73,
--Doc Lindsey/K0EVZ

Date: Thu, 4 Feb 1999 02:28:26 EST
From: PUNISHER3@aol.com
To: qrp-1@lehigh.edu
Subject: [32006] Tons of bad noise on 7.040
Message-ID: <8c1125af.36b94c1a@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi. I know this is alittle late, but it FINALLY clicked into my head that all
this noise around 7.040 was those TCI boxes (I think). I felt like going onto
80 meters tonight and heard tons of interference around 3.54 thats when it
finally clicked in..i remembered all those posts about TCI and stuff.

So anyway...my question is... How do I go about getting rid of this noise??
(if what I am hearing is from TCI) Also, how do I find out who has TCI and
who doesn't? Do I just go knocking on peoples doors?

I would LOVE some suggestions or comments.

thanks a bunch,
Ben - NW7DX
Redmond, Wa

Date: Thu, 4 Feb 1999 00:05:56 -0800
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)
To: "'Chuck Adams'" <adams@ticnet.com>
Cc: "'qrp-1@lehigh.edu'" <qrp-1@lehigh.edu>

Subject: [32007] RE: NorCal 20 Posts
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: quoted-printable
Content-Transfer-Encoding: quoted-printable

Chuck, you ask, so here it goes. Here is what I do when I do kits.

I put the parts in 8 parts bins with large plastic drawers, 18 to a bin. =
I prepare the resistors by cutting them in strips of 25 and put them in =
the drawers. If there are more than 4 resistors, I cut the resistors in =
strips of that number, say 8, and put those in a bin. I did the =
resistors for 600 kits. Took about 4 days working part time to prepare =
the resistors. Then when I do resistors for the kits, I take 25 small =
plastic cups (the kind that applesauce comes in single servings) and lay =
them out in front of the bins. I then have the resistor bins (2 of =
them) in front of me with each drawer labeled as to value and number of =
resistors that go in the kit. Then, I pull out the strip of 25 =
resistors, pull off the tape, and put the resistors in the cups, one by =
one. I usually pull 4 off at a time, and can drop one per cup easily (I =
am probably the world's champ at this skill, grin). If the bin says 2 =
resistors per kit, then I pull out two strips and put them in the cups =
two at a time. The point is when I get to the end of the strip, I am at =
the last cup. If not, I have made a mistake and have to go back and =
find it. It takes about 2 hours to do the resistors for 25 kits, dump =
them in small plastic bags and seal them shut.

The capacitors I basically do the same way. There are two strips, the =
.01's and the 0.1's that I cut in long strips and put in the bags last. =

But I go through, take out a bin, and pull a hand full of caps. If =
each kit gets one, I simply start putting them in bins while counting, =
1, 2, 3, etc. and that way I can keep track when I run out of where I am =
at. The hardest part of the caps is the ones that are multiples. The =
greatest number of caps that I have of one value is 8 and I put those in =
first as it is easy to count them when they are the only ones in the =
cups. I can count up to 8 with one look. When I finish, I put the caps =
in small bags, seal them, and start over. Again, it takes about 2 hours =
to do 25 kits of caps. That is non-stop, no interruptions, and constant =
work.

I do the transistors the same way. Takes about an hour to do 25 bags of =
transistors.

The AFA chips have to be programmed, and I usually do them 100 at a =
time, takes maybe 2 hours to do them by the time I get every thing out, =
and then I get a piece of foam, and put all the IC's on them. Bill =
Jones helped me do 600 bits of foam. Took both of us 4 hours to do 600 =
sets of IC's. Then I put the crystals that have been prematched into a =

bag, add the IC's, and add the tiny watch crystal that we had to =
prepackage into plastic so it wouldn't get lost. I then seal the bag.

The hardware bag is done the same way as the transistors and resistors. =
I must have missed the shoulder washer and nylon screw driver on a set =
of 25 kits, because have had several missing in about 15 kits. It takes =
1 hour to do 25 of those kits. Have a separate bin for hardware parts.

The connectors I do 100 at a time, and it takes about 3 to 4 hours to do =
them. The reason I do that is because the knobs come in 100 per box, =
and it just works out. I try to end up with the boxes of knobs and =
jacks getting empty at the same time. It acts as a check. If I come =
out uneven, I go back and go through all the bags until I find the one =
that is missing a part.

The easiest bag to do is the coils and toroids plus the wire. My oldest =
daughter cuts and winds the wire. She uses a piece of 2" plastic pipe =
coupling as a form and winds the right number of turns on it obtusely so =
it will slide off easily. She cuts the wire and wraps it neatly around =
itself. I think she does wonderful work. She does get paid 10 cents =
per roll for the wire, which is dirt cheap labor. She can do about 60 =
per hour. I lay out the 25 cups, start with the 6 red toroids, and then =
finish with the inductors and finally add the wire to the plastic bags. =
I do 25 of these in an hour. =20

Now I have 7 different bags of parts, and it has taken me, lets see, =
about 12 hours to do 25 kits by the time I get the stuff put away. But =
I am not done. I still have to do the cases, of which I did the first =
300 by myself and had help from Dave Adams, Bill Jones and Dave Fifield =
for the next 300. It takes 30 minutes to do 25 cases, taping them by =
yourself. I also have to put the boards in a bag and seal it. Takes 15 =
minutes to do 25 boards.

If I am doing the kits by myself it would take me 2 hours to put the 7 =
small bags in 25 big bags and seal them. But I had lots of great help =
and didn't have to do it that way.=20

The time involved does not count the time needed to inventory and unpack =
the parts when they came. Nor does it take into account the time needed =
to refill the bins. If I had to guess, I would say that I have 15 hours =
in each 25 kits of parts. I deliver to Jim, boxes of cases taped =
together, boards sealed in plastic, and a bag of 7 smaller bags of =
parts. Jim packs the kits by folding the boxes, (which he has prepared =
by addressing and stamping our return address on and affixing the =
postage), then he puts the case in, puts the board in the case to =
protect it, then the bag of parts, followed by the manual. He seals the =
boxes and tapes the ends and puts it into a big box to take to the post =
office.

I find that I cannot be disturbed. If anyone talks to me, or I get = interrupted, I make mistakes. I have to concentrate on what I am = doing, but it is very satisfying to make progress. The worst part is = waiting to kit. You have to wait until the design is done, and I mean = done, before you kit. Otherwise you have to add parts to previously = sealed bags (been there done that).

The packaging for the NC20 was done the right way. We felt that it was = worth it to buy the foam to put the IC's on, the envelopes for the = crystals, the small heavy duty 4 mil bags and the bigger bags. Probably = added a dime to the kit, but it does help to make sure that you get what = you paid for. It takes time to do it right. Ok, how many hours do I = have in the kitting of the parts? Well lets see 600 divided by 25 is 24 = and 24 x 15 is 360, and that is about right. I started the kitting in = the middle of December and spent about 70 to 80 hours a week the 3 weeks = I was off for Christmas break, so yes that is pretty close. Guess what = guys, I still have a long ways to go. The amount of time I spent pales = when you compare it to what Dave, Dave, Gary and Mike did on the = debugging and design of the rig.

Chuck, I am usually so tired when I go to bed, I go right to sleep and = dream of the next NorCal project, by the way I haven't mentioned that = one yet, but will tell you that every homebrewer needs one. Look for an = announcement soon, grin. =20

72, Doug, KI6DS

From: Chuck Adams [SMTP:adams@ticnet.com]
Sent: Wednesday, February 03, 1999 1:39 PM
To: Hendricks, Doug
Cc: qrp
Subject: Re: NorCal 20 Posts

Doug,

Congrats on the fine work and I too enjoy all the posts on the NC20, even if it is "got here" or "built" or whatever. What is more important is the "need help" and I'm sure=20 that some postings are "wake up" calls to future builders that they need to pay particular attention when they get to "this section".

So gang, keep them posts a flying.

I have a question Doug and the rest of the gang is probably

interested. Some people count sheep to get to sleep. I would imagine about bed time you don't want to count anything. :-) Did you require absolute quiet when packing? Inquiring minds wanna know. :-)

I saw all the crystals at one time? Anyone else besides you and JoAnn see all the parts in one place?

I too will be on for FYBO with the NC20 at the lakeside here in Big-D. Hope to be your first 2xNC20 Q.

dit dit es take some time off

:-)

--

Chuck Adams K5FO adams@ticnet.com CP-60
<http://www.ticnet.com/k5fo>

Date: Thu, 4 Feb 1999 00:44:51 -0800
From: "Bill Todd" <bill@willapabay.org>
To: <nwq-1@scn.org>
Cc: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [32008] Update to N7MFB's Web Site
Message-ID: <000301be501a\$a28a58a0\$89added1@bill>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hello gang -

It's been a long time comin' (as they say), but I was finally able to update my personal web site, which includes information on the NorthWest QRP Club as well.

Here's the story:

My brother-in-law updated my computer for Christmas (thank you VERY much Mike), and in so doing, he included a "new" version of my web page editing program, having deleted my old program in the process. However, he forgot to install the part of the program that allows me to upload my "new and improved" web page to my local ISP.

So, there ye be folks. I hope you like the changes I have made.
See you on March 6th at the joint NW QRP Club and BC QRP Club Meeting!

Date: Thu, 04 Feb 99 04:57:58 -0500
From: Chuck Adams <adams@ticnet.com>
To: qrp <qrp-l@lehigh.edu>
Subject: [32009] Elmer200: Quiz Answers
Message-ID: <E108MRQ-0004ne-00@smtp.ticnet.com>

On 19990114 I posted the following questions. I waited a while to answer them in order that all of the 125 or more guys and girls would find some time to work them into the busy skeds. If you haven't done them, then save this and later compare with your results. Mileage may vary. I will bother some people here in that I may do like everyone else in the world and carry more digits than I should. Review the math on significant figures and precision and if I have two numbers and I know each to 2 places, then how many digits should I carry in the resulting product? See Chapter 4 of the ARRL Handbook 1995 or later. The page numbers are 4.4 and 4.5.

Oh, having been an instructor all my adult life I know how it is. You are telling yourself that this stuff is so simple and you are so smart that you don't need to do this. Bad attitude. You will forget this stuff if you don't do it. The human mind, what a terrible thing to waste. :-)
Do me a favor and do it just to check my results.

[illegible]

Glen L., VE3DNL, gave us some values that he kindly measured in the lab for a 4.0MHz computer crystal. The values were

$R_m = 48 \text{ ohms}$

$C_m = 8.035114 \text{fF}$ where f is femto

$L_m = 0.1971 \text{H}$ or 197.1mH

and

$C_p = 3.5 \text{pF}$

We are going to use these values in the following exercise or quiz if you wanna call it that.

QUIZ TIME:

(1) Using C_m and L_m , what is the series resonant frequency?

A: Using the old formula, $f = 1/(2\pi\sqrt{L \cdot C})$, I get with a TI-30Xa Solar Powered calculator (used at night so where does it get sunlight to run on? :-)) the kind of question a small child would ask and then you gotta a lot of explaining to do)

$$\begin{aligned} f &= 1/(2\pi\sqrt{L \cdot C}) \\ f &= 1/(2 \cdot 3.14159 \cdot \sqrt{8.035114 \text{E-}15 \cdot 0.1971}) \\ f &= 3.999270 \text{MHz} \end{aligned}$$

(2) At this frequency what is $X(C)$ and $X(L)$, i.e. the reactances?

A: At resonance $X(C) = X(L)$, so it doesn't matter which one you chose to calculate, but I always do both. I never trust my math and there are always times when pushing a button on a calculator doesn't always get the right number(s) on the display. Murphey is always there to help you.....

$$\begin{aligned} X(C) &= 1/(2\pi f \cdot C) \\ X(C) &= 1/(2 \cdot 3.14159 \cdot 3.999270 \text{E}6 \cdot 8.035114 \text{E-}15) \\ X(C) &= 4.953 \text{M ohms} \end{aligned}$$

$$\begin{aligned} X(L) &= 2\pi f \cdot L \\ X(L) &= 2 \cdot 3.14159 \cdot 3.999270 \text{E}6 \cdot 0.1971 \\ X(L) &= 4.953 \text{M ohms} \end{aligned}$$

Please note that this is a very high reactance and is one of the desirable characteristics as the numbers will show in a second or two.

(3) At this frequency what is the Q of the crystal?

A: Looking up in the trusty ARRL Handbook (Chapter 6)

$$Q = X(L)/R = X(C)/R$$

$$Q = 4.953E6/48$$

$$Q = 103,100$$

This is a pretty good Q for us, but a good crystal will have a Q in the range of 500,000 or better. 48 ohms is a relatively high esr or R_m value. Good crystals will have a value in the range of 15-25ohms. But for some critter that probably cost less than \$1 to \$2 it is acceptable for radio amateur work.

And you'll note that most of us are gonna be using computer crystals anyway just because we can obtain them relatively easy and they don't cost us a whole day of wages. We don't have an infinite range of values to chose from, but we have to sacrifice somewhere unless we want to custom order a crystal and some of you know what that costs in units of one. Remember that factories are cranking out these puppies at a very high rate. We are trying to get a computer into the hands of every man, woman, and child on the planet. It gets scarey just thinking about it.

One of the neatest things that they taught us in physics was to double check everything by looking at the units. In this case Q is a number and because I have (ohms/ohms) the formula works out. This isn't always a guarantee that what I have done is correct but it is another check point.

(4) Is 0.1971H (197.1mH) a relatively large value of inductance?
HINT: could you wind a T50-2 toroid with wire to get this value?
How many turns? See NA5N's book or ARRL HB for the A_n values to calculate the number of turns needed.

A: Yes, 197mH is a very high value. The typical value for a molded inductor is in the uH (microHenry) range and for the toroids that we wind.

I did the calculations for a T50-2 toroid. In order to get 0.1971H you will need 6,400 turns!!!!!! Start counting gang. :-)

And for those of you in the audience that remember the old 88mH chokes used at audio frequencies can appreciate this. :-)

I'll put on the web page later today a winding chart for toroids and the value range for up to 50 turns and show how the uH values really don't get very high.

(5) Why do we want a small value for C_m ?

A: To get a high $X(C)$ and a high Q value.

(6) Why do we want a large value for L_m ?

A: To get a high $X(L)$ and a high Q value.

(7) Why do we want a small value for R_s ?

A: To get a high Q value.

(8) If we were to use a cap and toroid to get a desired LC circuit, how would (6) and (7) interplay? List the tradeoffs?

A: If we wind our own toroid to get a L value, then we would need more turns to get a higher value of inductance. This would mean more wire and add to the resistance and result in a lower Q . Later on I or preferably someone in the class can build an LC circuit for some freq and measure the Q . Then rebuild the circuit with new LC values for the same freq and remeasure the Q . I'd bet the Q would go like $1/N^2$ where N is the number of turns because the inductance for a toroid is $L = k \cdot N \cdot N$.

(9) If you did the single crystal frequency sweep curve using SPICE, can you check your values in (1)? Just narrow the starting and ending values until you home in on the peak of the curve. Do this.

A: I'll do this one on the web page as you need the high resolution graphics to demo this and I'll put the SPICE files there also. Anyone that can't surf let me know and I'll email you the files that you can put into SPICE3 and get the results.

(10) Why is the parallel resonant frequency higher than the series resonant frequency? ***THIS IS A NON-TRIVIAL QUESTION***

A: Think of the circulating current at resonance. The external C is in series with C_m , thus lowering the total C and since $f = 1/(2\pi \cdot \sqrt{L \cdot C})$ the frequency goes up. Simplified explanation.

(11) I think I added this one or meant to, but let me put it here.
What is the bandwidth for above single crystal.

A: $BW = f/Q$
 $BW = 3.999270E6/103,100$
 $BW = 40 \text{ Hz}$

Now we check this with SPICE. What you do is sweep the crystal as before and home in on the half-power points. I'll put this exercise on the web page to show the plots.

On page 6.36 of the ARRL Handbook there is an excellent plot of how Q affects the response of an LC circuit and also note the circulating currents. This is extremely important for us for one simple reason. Drift. Remember that voltages and currents mean power. Power means heat. Heat means drift. It bothers me a little when I see postings whereby someone is trying to get more power from some oscillator or whatever. You don't get that without some expense. We'll do some more on this later and remind you where drift comes from. I hope this is helpful or you and I are wasting each others time..... :-)

And we are all waiting for the day that I really really mess something up. It's a students greatest goal to slam dunk the prof and it's an instructors worst nightmare. :-)

FYI

--

Chuck Adams K5FO adams@ticnet.com CP-60
<http://www.ticnet.com/k5fo>

Date: Thu, 04 Feb 99 05:38:08 -0500
From: Chuck Adams <adams@ticnet.com>
To: Gary L Surrency <gsurrency@juno.com>
Cc: qrp <qrp-1@lehigh.edu>
Subject: [32010] Re: NC20 2-way
Message-ID: <E108N4H-0004tU-00@smtp.ticnet.com>

Gary et.al.,

Thanks to Gary, we believe that we have the first 2xNC20 QSO at least across state boundaries and more importantly across the Continental Divide!! :-)

This was not scheduled and it was not planned. I was on the air working a few stations (state count is increasing, but isn't that easy to do in the early stages?) and just as the band was about to crash Gary calls me. QSB was severe and he was very very lucky that we got to do the short QSO. Just as he called me some electrical critter in the neighborhood came on and the QRN was at least 30/S9 if I had a S-meter. I couldn't hear a thing.

Then just as suddenly as it appeared it disappeared in about 15 seconds or so. All of you that get on the air regularly know the feeling when this happens. Phyllis had just 15 minutes earlier had asked about using a hair dryer and I said fire away 'cuz I knew that it didn't bother me on 20M. On 40M it might. So I knew the QRN wasn't from inside the Adams' abode.

Now Gary did something that is very important. That is he gave me an honest report on the chirp, even though it was slight. I have yet to work on it as I put the battery back on charge to see this a.m. how this all plays together. I have to measure the current drain on RX and TX at 0.95W. I wasn't going to do it and was being lazy knowing that in a week or so some one or group would do this for me. :-) And I don't want to have all the fun here..... I took the OHR100A out on another battery and listened and sure enough the chirp was slight and Gary had a good ear to detect it besides also having the NC20.

It is important that everyone know the difference between a 569X and 569C report. We take for granted that all rigs are in top notch condition which was not the case 30 years ago. :-)

So with the 3Ahr battery, one is going to have to watch the voltage over time. I will start from scratch, i.e. after it is fully charged and monitor it over time and see how long I will be able to operate on Saturday. I have to check the contest times for FYBO and make sure I don't have to do mobile to and from the NORTEX meeting. I will bring the NC20 to the meeting along with Brinks Security. :-)

Another that I have not done and probably won't do on purpose myself is to see if the rig will take keying without a load and with a short. It's the kind of thing you read in the manual but are scared to try. I've see what it does to other rigs..... :-)

And thanks to Gary for the opportunity to work the NC20 that I personally got to see and touch in Phoenix on one of the trips out there Phyllis and I made. Gary did fade into the west

on his last transmission and we will finish another QSO on 20M later
I'm sure.

It was a good ending for the day. Gary's posting was priceless
on the metal slivers that happen when pushing parts into holes.
I guess I usually get away from this by LIGHTLY scraping leads
on components before inserting them just to get rid of some
oxidation that occurs in storage, etc. But things like the stereo
jacks the leads are small and I didn't think about it. By scraping
I guess I greatly reduce the slivers that can occur.

Let me congratulate Doug again on the excellent job that he did
on the parts for this kit. There are two things that I usually note
when building a kit. The first is the quality of the components.
I note whether the leads on the resistors are extra shiney. This
shows new parts recently manufactured. Also the most important
factor is that for caps, etc. I did not have to bend leads to make
them fit and align properly. You know what I mean. This shows that Dave
and Doug standardized on the parts and had the board
fabricated with this in mind. It is an extra touch that all the kit
manufacturers take extra care in doing if they care about their
final product and care about the customer. It is my hope that
whoever gets the commercial rights to the NC20 maintains
the tradition started on this kit. IMHO it does make a difference
and an important one. And I am one who personally will pay
the extra to get that type of quality.

--

Chuck Adams K5FO adams@ticnet.com CP-60
<http://www.ticnet.com/k5fo>

Date: Thu, 04 Feb 1999 05:53:27 -0600
From: Chuck Carpenter <w5usj@unicomp.net>
To: N7YA@aol.com, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [32011] Re: Satellite downlink freqs
Message-ID: <3.0.1.32.19990204055327.0068c910@mail.unicomp.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Adam,

A good place to start is AMSAT and obtain a satellite tracking program.
You can get the data from AMSAT needed to track the satellites. It's

called Keplerian elements and is updated frequently to account for anomalies and changes in satellite orbits. The elements come in two formats. Which form you use will depend on the tracking software. I'd start with the long form anyway and figure out the two-line form later. A good book from the amateur side of things is the Satellite Experimenter Handbook where you can learn the jargon and technical satellite info. It is an ARRL publication available from them and other places. Most of the satellites prefer QRP level signals to keep from overloading the transponders so this is relevant material 8^)...

<http://www.amsat.org>

72/73, Chuck, W5USJ, Point, TX EM22cv -- ARCI #5422 QRP-L #1306

Date: Thu, 4 Feb 1999 07:08:07 -0600
From: Dan Dobson <ddobson@iei.net>
To: "'qrp-l@Lehigh.EDU'" <qrp-l@Lehigh.EDU>
Subject: [32012] Test Message
Message-ID: <01BE500D.36F0CBE0@dip17.nas1.iei.net>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

test

Date: Thu, 04 Feb 1999 05:46:53 -0700
From: Rod Cerkoney <rwc@frii.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [32013] test
Message-ID: <3.0.5.32.19990204054653.00854a20@mail.frii.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

mail cfg test

n0rc

Date: Thu, 4 Feb 1999 07:22:43 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Group <qrp-l@LeHigh.EDU>
Subject: [32014] ARLD005 New DXCC Entity Added (fwd)

Message-ID: <Pine.LNX.3.95.990204072132.24538B-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

....fyi..... 72 - Bruce(VE5RC)

----- Forwarded message -----

Date: Wed, 03 Feb 1999 15:31:50 EST
From: ARRL Members Only Web site <memberlist@p1k.arrl.org>
Cc: recipient list not shown: ;
Subject: ARLD005 New DXCC Entity Added

SB DX @ ARL \$ARLD005
ARLD005 New DXCC Entity Added

ZCZC AE05
QST de W1AW
DX Bulletin 5 ARLD005
>From ARRL Headquarters
Newington CT February 3, 1999
To all radio amateurs

SB DX ARL ARLD005
ARLD005 New DXCC Entity Added

The International Telecommunication Union, in its Operational Bulletin No. 685 of February 1, 1999, has allocated the callsign prefix E4 for use by Palestine. This is in accordance with the Resolution PLEN/3 of the Plenipotentiary Conference of the ITU held in Minneapolis, Minnesota in 1998.

Under the current DXCC List Criteria, Section 1, this callsign allocation meets the requirement of paragraph b.

Palestine will be added to the DXCC List effective October 1, 1999. Contacts made with E4 stations after February 1, 1999, will count for this new entity.

Under the DXCC rules, contacts with the deleted entity of Palestine made prior to June 30, 1968 do not count for this entity. There is no commonality of territory or administration.

NNNN
/EX

Date: Thu, 4 Feb 1999 07:24:31 -0600
From: "Nathan Odle" <nodle01@mail.coin.missouri.edu>
To: <qrp-1@lehigh.edu>
Subject: [32015] Sick SST
Message-ID: <000001be5041\$b3b914a0\$8dc9ce80@nathan.missouri.edu>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

To all of you who replied (Stephen, Dave, Bob), thanks a lot. I won't get to dig into it until tonight, but I plan on printing off your messages and finding out which one of you is right ;) To those who have said the only thing you can learn while building a kit is how to solder, I'd have to say I've learned a lot more than that. Of course, if this thing worked right the first time that might not have been the case - oh well, a little trial by fire is probably good for me (and those of you that are helping out!).

Thanks again guys, you're great...

73,
Nathan
KB0NNV

Date: Thu, 4 Feb 1999 07:30:47 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Group <qrp-1@LeHigh.EDU>
Subject: [32016] FYBO
Message-ID: <Pine.LNX.3.95.990204072901.24538D-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

....FYBO weather report from Saskatchewan....as I type, it's MINUS 40 dC windchill....

...72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - Regina, Saskatchewan. Canada
"QRP! How sweet it is!"

Date: Thu, 04 Feb 1999 07:35:04 -0600
From: Dan Copeland <dcopeland@wwn.net>

To: PUNISHER3@aol.com, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [32017] Re: Tons of bad noise on 7.040
Message-ID: <13223539032126@www.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Ben,

I had the same problem here in Springfield, MO. I called TCI and to my surprise they got right on it. Within a few days they had checked the records and replaced all of the ones in my area with hard wired units. They also came to my house and did some level measurements so they would know what they were dealing with. They were surprised when they saw the display on my Icom IC-756. The guys said that ham gear has come a long way... :-).

I have never been a TCI fan, but I have to give credit where credit is due. They were fantastic.

One more thing, TCI is not the only company selling units in the ham bands. There is one a few blocks from me that is not theirs. It is easy to check. Put your radio on FM and if you hear voice it is not TCI's unit.

Hope this helps

72's de Dan

At 02:28 AM 2/4/99 -0500, PUNISHER3@aol.com wrote:

>Hi. I know this is alittle late, but it FINALLY clicked into my head that all

>this noise around 7.040 was those TCI boxes (I think). I felt like going onto

>80 meters tonight and heard tons of interference around 3.54 thats when it >finally clicked in..i remembered all those posts about TCI and stuff.

> So anyway...my question is... How do I go about getting rid of this noise??

>(if what I am hearing is from TCI) Also, how do I find out who has TCI and >who doesn't? Do I just go knocking on peoples doors?

> I would LOVE some suggestions or comments.

>

>thanks a bunch,

>Ben - NW7DX
>Redmond, Wa
>
Daniel Copeland KF00V
dcopeland@wwn.net

QCWA Webmaster* ARRL-life member*
QRP-L 1004, ARCI - 9670, OHR 100A-20, OHR-500
<http://www.qcwa.org> | <http://www.dcopeland.com>
"I want to die peacefully in my sleep like my grandfather,
not screaming in terror like his passengers."

Date: Thu, 4 Feb 1999 07:43:34 -0600
From: "Nathan Odle" <nodle01@mail.coin.missouri.edu>
To: <qrp-l@lehigh.edu>
Subject: [32018] List problem?
Message-ID: <000101be5044\$5cdf7860\$8dc9ce80@nathan.missouri.edu>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hey all,

I keep getting back my mail to the list:

received: from ns11.nokia.com (ns11.nokia.com [131.228.6.230])
by coins0.coin.missouri.edu (8.9.1a/8.9.1) with ESMTP id HAA13872
for <nodle01@mail.coin.missouri.edu>; Thu, 4 Feb 1999 07:33:31 -0600 (CST)
Received: from msgws01ntc.ntc.nokia.com (msgws01ntc.ntc.nokia.com
[131.228.59.181]) by ns11.nokia.com (8.8.8/8.6.9) with ESMTP id PAA16497 for
<nodle01@mail.coin.missouri.edu>; Thu, 4 Feb 1999 15:33:27 +0200 (EET)
Message-Id: <199902041333.PAA16497@ns11.nokia.com>
Received: by msgws01ntc.ntc.nokia.com with Internet Mail Service
(5.5.2232.9)
id <D7ZNPCCV>; Thu, 4 Feb 1999 15:33:14 +0200
From: NTC/NOKNHM01DA/POSTMASTER
<IMCEAMS-NTC_NOKNHM01DA_POSTMASTER@ntc.nokia.com>
To: Nathan Odle <nodle01@mail.coin.missouri.edu>
Subject: Mail failure
Date: Thu, 4 Feb 1999 07:25:00 +0200
MIME-Version: 1.0
X-Mailer: Internet Mail Service (5.5.2232.9)
Content-Type: text/plain
X-UIDL: 89a42141861881726f971bb31ea3320f

[008] Failure delivering user mail due to mailbag contention.
Mail item was not delivered to:

--
Microsoft Mail v3.0 IPM.Microsoft Mail.Note
From: Nathan Odle
To: Low Power Amateur Radio Discussion
Subject: Sick SST
Date: 1999-02-04 15:24
Priority: 3
Message ID: 51DC573A32BCD2118BA00008C7A479EC

To all of you who replied (Stephen, Dave, Bob), thanks a lot. I won't get to dig into it until tonight, but I plan on printing off your messages and finding out which one of you is right ;) To those who have said the only thing you can learn while building a kit is how to solder, I'd have to say I've learned a lot more than that. Of course, if this thing worked right the first time that might not have been the case - oh well, a little trial by fire is probably good for me (and those of you that are helping out!).

Is it just bouncing through nokia on the way to lehigh.edu? My messages are obviously getting to the list...

73,
Nathan
KB0NNV

Date: Thu, 4 Feb 1999 07:42:10 -0600
From: Jeff Johns <jeffj@scott.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [32019] Re: Satellite downlink freqs
Message-ID: <199902041342.HAA02169x@scott.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
Content-Transfer-Encoding: 8bit

On Wed, 3 Feb 1999 23:55:15 EST, N7YA@aol.com wrote:

> Im just getting into a new phase of radio. ever since i heard MIR on the
http://www.amsat.org

73 Jeff

```
*----- Jeff Johns W4JEF - AMSAT# 32615 -----*
|jeffj@scott.net w4jef@amsat.org | Reserve Patrol Captain |
| Satellite: Mir R0MIR-1, AO-27 | Jefferson County Sheriff's Dept|
|200LX+BayPac+FT50=Portable Packet| QTH Birmingham, AL USA |
*-----*
```

Date: Thu, 04 Feb 1999 06:58:12 -0700
From: Rod Cerkoney <rwc@frii.com>
To: nodle01@mail.coin.missouri.edu, "Low Power Amateur Radio Discussion" <qrp-
l@Lehigh.EDU>
Subject: [32020] Re: List problem?
Message-ID: <3.0.5.32.19990204065812.00860100@mail.frii.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Folks:

Ditto here.

But I noticed something. Nathan is sending from MS Outlook, not sure of the
rev, Outlook Pro maybe?

I have a new WinCE device the uses a "light weight" version of Outlook. I
have sent several messages to QRP-L via this WinCE device, none have made
it to the list!!! (No problems with Eudora or unix mailers). Any way one
test message I sent bounced like Nathan's. It was sent to:

"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

But the light weight Outlook seems to have stripped the quotes from "low
Power....!!!"

Anybody clueful on what might be going on??

72/3, N0RC (was K0RWC)
Rod Cerkoney
Fort Collins, Co

At 07:43 AM 2/4/99 -0600, Nathan Odle wrote:

>Hey all,

>

>I keep getting back my mail to the list:

>

>received: from ns11.nokia.com (ns11.nokia.com [131.228.6.230])

> by coins0.coin.missouri.edu (8.9.1a/8.9.1) with ESMTP id HAA13872

> for <nodle01@mail.coin.missouri.edu>; Thu, 4 Feb 1999 07:33:31 -0600 (CST)

>Received: from msgws01ntc.ntc.nokia.com (msgws01ntc.ntc.nokia.com

>[131.228.59.181]) by ns11.nokia.com (8.8.8/8.6.9) with ESMTP id PAA16497 for

><nodle01@mail.coin.missouri.edu>; Thu, 4 Feb 1999 15:33:27 +0200 (EET)

>Message-Id: <199902041333.PAA16497@ns11.nokia.com>

>Received: by msgws01ntc.ntc.nokia.com with Internet Mail Service

>(5.5.2232.9)

> id <D7ZNPCCV>; Thu, 4 Feb 1999 15:33:14 +0200

>From: NTC/NOKNHM01DA/POSTMASTER

> <IMCEAMS-NTC_NOKNHM01DA_POSTMASTER@ntc.nokia.com>

>To: Nathan Odle <nodle01@mail.coin.missouri.edu>

>Subject: Mail failure

>Date: Thu, 4 Feb 1999 07:25:00 +0200

>MIME-Version: 1.0

>X-Mailer: Internet Mail Service (5.5.2232.9)

>Content-Type: text/plain

>X-UIDL: 89a42141861881726f971bb31ea3320f

>

>[008] Failure delivering user mail due to mailbag contention.

>Mail item was not delivered to:

>

>

>-----

>--

>Microsoft Mail v3.0 IPM.Microsoft Mail.Note

>From: Nathan Odle

>To: Low Power Amateur Radio Discussion

>Subject: Sick SST

>Date: 1999-02-04 15:24

>Priority: 3

>Message ID: 51DC573A32BCD2118BA00008C7A479EC

>

>To all of you who replied (Stephen, Dave, Bob), thanks a lot. I won't get
>to dig into it until tonight, but I plan on printing off your messages and
>finding out which one of you is right ;) To those who have said the only
>thing you can learn while building a kit is how to solder, I'd have to say
>I've learned a lot more than that. Of course, if this thing worked right
>the first time that might not have been the case - oh well, a little trial
>by fire is probably good for me (and those of you that are helping out!).

>

>

>-----
>
>Is it just bouncing through nokia on the way to lehigh.edu? My messages are
>obviously getting to the list...
>
>73,
>Nathan
>KB0NNV
>
>

Date: Thu, 4 Feb 1999 08:06:46 -0600
From: Jeff Johns <jeffj@scott.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [32021] Re: List problem?
Message-ID: <199902041406.IAA10973x@scott.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
Content-Transfer-Encoding: 8bit

On Thu, 04 Feb 1999 06:58:12 -0700, Rod Cerkoney <rwc@frii.com> wrote:

> I have a new WinCE device the uses a "light weight" version of Outlook. I
> have sent several messages to QRP-L via this WinCE device, none have made
> it to the list!!!! (No problems with Eudora or unix mailers). Any way one
> test message I sent bounced like Nathan's. It was sent to:

I love my little DOS based HP200LX :)

Good luck!

73 Jeff W4JEF

```
*----- Jeff Johns W4JEF - AMSAT# 32615 -----*
|jeffj@scott.net w4jef@amsat.org | Reserve Patrol Captain |
| Satellite: Mir R0MIR-1, A0-27 | Jefferson County Sheriff's Dept|
|200LX+BayPac+FT50=Portable Packet| QTH Birmingham, AL USA |
*-----*
```

Date: Thu, 4 Feb 1999 08:08:33 -0600
From: "Nathan Odle" <nodle01@mail.coin.missouri.edu>

To: "'Rod Cerkoney'" <rwc@frii.com>, <qrp-1@lehigh.edu>
Subject: [32022] RE: List problem?
Message-ID: <000301be5047\$d98c4020\$8dc9ce80@nathan.missouri.edu>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I've mailed the admins at nokia with about every possible address I thought of (root@nokia.com, admin@nokia.com, you get the idea). Hopefully we'll hear something back soon. Glad I'm not the only one. Also, I'm using Outlook 98...

73,
Nathan
KB0NNV

Date: Thu, 4 Feb 1999 08:17:09 -0600 (CST)
From: Bruce Ratray <rattray@gpfn.sk.ca>
To: Nathan Odle <nodle01@mail.coin.missouri.edu>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [32023] RE: List problem?
Message-ID: <Pine.LNX.3.95.990204081546.30520B-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

....we're experiencing the same thing on QRP-Canada Nathan.....so I suspect some router/server problem somewhere out there in cyberspace...I no expert by any means; just a feeling...time will tell...

...72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - Regina, Saskatchewan. Canada
"QRP! How sweet it is!"

On Thu, 4 Feb 1999, Nathan Odle wrote:

> I've mailed the admins at nokia with about every possible address I thought
> of (root@nokia.com, admin@nokia.com, you get the idea). Hopefully we'll
> hear something back soon. Glad I'm not the only one. Also, I'm using
> Outlook 98...
>
> 73,
> Nathan
> KB0NNV

>

Date: Thu, 4 Feb 1999 08:31:42 -0600
From: Clifton W Sikes <ab5uacw@juno.com>
To: qrp-l@Lehigh.EDU
Subject: [32024] QRP QUARTERLY.....WOW!
Message-ID: <19990204.083150.6646.1.ab5uacw@juno.com>

George,

You did a fantastic job on your first issue. Congrats! It is chock full of great articles. I really appreciated the guest editorial, by Rich Arland, and the last page article by Les K4NK. Over 300 countries QRP. What an achievement!
Keep up the good work, and thank you George.

72,

Clifton Sikes AB5UA QRP-L #478 ARCI #9058
Earlsboro, Ok.
ab5uacw@juno.com

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Thu, 4 Feb 1999 08:43:34 -0600
From: kkanalz@optelinc.com
To: jeffj@scott.net
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [32025] Re: Isotron Bilal Antennas
Message-ID: <8625670E.0051106F.00@hdqsmtp01>
Mime-Version: 1.0
Content-type: text/plain; charset=us-ascii
Content-Disposition: inline

Isotrons are one of the world's best finicky-to-tune
air-cooled dummy loads. Stick with your dipole!

Karl K - W8TIF
McKinney, Texas

Date: Thu, 04 Feb 1999 07:43:29 -0700
From: Dave Ek <ekdave@earthlink.net>
To: qrp-l@lehigh.edu
Subject: [32026] compact QRP rig for 15m?
Message-ID: <3.0.6.32.19990204074329.00799430@mail.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Gang,

With the propagation on the upswing in this solar cycle, I find that, alas, I have no compact qrp rig for 15 meters. None of the kit makers that I know of has a single-band kit for 15 m (SWL isn't selling the GM series at present; I know that the Sierra and the OHR-500 can cover 15, but I'd rather stick with single-band for now).

Have I overlooked any kits? Have any of you taken a kit for another band and moved it to 15 (and been happy with the results)? I'm not up to designing my own rig but I think I could deal with doing some mods to a kit.

If you have experience and/or ideas, I'd love to hear them. (No offers to sell already-built rigs desired--wanna build my own--but offers to sell unbuilt kits might be entertained.)

Tnx es 72 de Dave AB0GO
Colorado Springs

Date: Thu, 4 Feb 1999 06:54:34 -0800 (PST)
From: Jeff <fantbb@yahoo.com>
To: qrp qrp <qrp-l@lehigh.edu>
Subject: [32027] FYBO logging question
Message-ID: <19990204145434.28093.rocketmail@send105.yahoomail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

What information has to be on the log that we send in?

My logging program won't let me put in the full exchange from the

sending station.
Thanks!

Jeff

==

Jeff Jones

AB6MB

NorCal QRP Club #65, QRP-L #1780

CW Forever!!!

Ghost Hunter

Owner of the Delta MudCats fantasy baseball team

Long live Manchester United and the Oakland A's!!!!!!

DO YOU YAHOO!?

Get your free @yahoo.com address at <http://mail.yahoo.com>

Date: Thu, 04 Feb 1999 09:58:31 EST

From: Ed Loranger <we6w@juno.com>

To: DNT1@daimlerchrysler.com

Cc: qrp-l@Lehigh.EDU

Subject: [32028] Re: FOX - no show?

Message-ID: <19990204.065707.4903.4.we6w@juno.com>

Nah, the "SWEEP" was just to jostle the other teams
a bit.

We all got a SWEEP last night :) The bands are
so bad right now I think I'll go to sweep early tonight.

Har.

72, Ed WE6W, AR Millennium QSO's=292/2000

<http://www.qsl.net/we6w> Radio, everyday in Santa Rosa, CA

QRP-L#1068 AR#112 QRP-Z#106 ARCI:9397 Norcal#2227 QAA#006

You don't need to buy Internet access to use free Internet e-mail.

Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Thu, 4 Feb 1999 07:08:21 -0800 (PST)

From: Jeff <fantbb@yahoo.com>

To: qrp-qrp@lehigh.edu

Subject: [32029] FYBO logging question and the answer already?

Message-ID: <19990204150821.639.rocketmail@send103.yahoomail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

---Jeff <fantbb@yahoo.com> wrote:

>
> What information has to be on the log that we send in?
>
> My logging program won't let me put in the full exchange from the
> sending station.

Looks like I just send in the summary sheet. Correct?

Jeff

==

Jeff Jones

AB6MB

NorCal QRP Club #65, QRP-L #1780

CW Forever!!!

Ghost Hunter

Owner of the Delta MudCats fantasy baseball team

Long live Manchester United and the Oakland A's!!!!!!

DO YOU YAHOO!?

Get your free @yahoo.com address at <http://mail.yahoo.com>

Date: Thu, 04 Feb 1999 10:05:00 -0500
From: Scott Howell <whowell@hq.nasa.gov>
To: qrp-l@lehigh.edu
Cc: cw@qth.net
Subject: [32030] correction on posting of RS dx-390
Message-ID: <3.0.5.32.19990204100500.00809630@mail.hq.nasa.gov>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

The previous dx-392 I posted is actually a 390. Where my brain was I don't know.

However, it still is in ment condition, has manuals, ac adapter, and box. ASking \$85 which includes shipping via UPS. I'll insure for more if you wish. Make an offer. I have received a couple and pointed out the correction and so have not heard back from everyone. So, am posting it once again correctly. Sorry for the error.

73 de Scott/n3byy
Fists #5030

Laurel MD

Date: Thu, 04 Feb 1999 09:14:56 -0600
From: Dave Sjolín <sjolin@swbell.net>
To: Qrp-l Reflector <qrp-l@Lehigh.EDU>
Subject: [32031] ASCII version of NorCal 20 Parts list by Circuit Reference - LONG
Message-ID: <36B9B970.2FFAE8B4@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Attached is Norcal 20 parts list in ascii format. Removed headings to make formatting easier.

Hope no one, including Dave minds my posting to the list. 73 de Dave,
N0IT

=====
NorCal 20 Parts Listed By Circuit Reference Partial Listing - No
inductors/pots/trimcaps/connectors
Copyright 1999, AD6A

C1 0.1uF	C48 10uF 16V	C95 100uF 16V
C2 10uF 16V	C49 0.1uF	C96 1000pF
C3 0.01uF	C50 10uF 16V	C97 100pF NPO
C4 0.1uF	C51 0.1uF	C98 0.1uF
C5 22pF NPO	C52 0.1uF	C99 0.01uF
C6 180pF Poly	C53 0.01uF	C100 33pF NPO
C7 5pF NPO	C54 0.01uF	C101 0.01uF
C8 10pF NPO	C55 4.7uF 16V	C102 0.1uF
C9 0.1uF	C56 0.1uF	C103 10uF 16V
C10 0.1uF	C57 0.01uF	C104 1000pF
C11 10uF 16V	C58 0.1uF	C105 2pF NPO
C12 0.1uF	C59 100uF 16V	C106 33pF NPO
C13 0.1uF	C60 4.7uF 16V	C107 120pF Poly
C14 10pF NPO	C61 0.1uF	C108 82pF COG
C15 0.1uF	C62 100uF 16V	
C16 39pF NPO	C63 1uF 35V Tant	
C17 5pF NPO	C64 0.1uF	
C18 39pF NPO	C65 100uF 16V	
C19 0.1uF	C66 150pF NPO	
C20 0.01uF	C67 0.1uF	
C21 100pF NPO	C68 0.1uF	
C22 270pF	C69 150pF NPO	
C23 0.1uF	C70 68pF NPO	

C24	0.01uF	C71	47pF C0G
C25	0.1uF	C72	10pF NPO
C26	0.1uF	73	0.1uF
C27	0.01uF	C74	100pF NPO
C28	0.1uF	C75	0.1uF
C29	0.1uF	C76	150pF NPO
C30	820pF C0G	C77	0.1uF
C31	820pF C0G	C78	0.1uF
C32	820pF C0G	C79	0.1uF 100V
C33	820pF C0G	C80	330pF C0G 100V
C34	820pF C0G	C81	47pF C0G 100V
C35	0.1uF	C82	47pF C0G 100V
C36	0.01uF	C83	560pF C0G 100V
C37	0.01uF	C84	100pF C0G 100V
C37	680pF C0G	C85	270pF C0G 100V
C39	680pF C0G	C86	2pF NPO 100V
C40	0.1uF	C87	0.1uF
C41	0.1uF	C88	0.01uF
C42	150pF NPO	C89	0.01uF
C43	0.047uF	C90	0.1uF
C44	0.1uF	C91	0.1uF
C45	0.1uF	C92	10uF 16V
C46	1500pF	C93	0.1uF
C47	1500pF	C94	0.47uF

R1	8K2 1%	R48	10R	R95	10K
R2	100K	R49	10K	R96	100R
R3	10K 1%	R50	10K	R97	10K
R4	10K 1%	R51	1M	R98	10K
R5	330K	R52	1M	R99	2K2
R6	33K 1%	R53	3K3	R100	3K3
R7	33K 1%	R54	6K2 1%	R101	3K3
R8	1M	R55	220K		
R9	100K/220K	R56	47K		
R10	10K	R57	10R		
R11	1M	R58	2R7		
R12	27K	R59	220K		
R13	5K6	R60	4M7		
R14	47K	R61	10K		
R15	470R	R62	1K		
R16	1K5	R63	1K		
R17	10R	R64	330R		
R18	47R	R65	10K		
R19	100R	R66	220R		
R20	2K2	R67	220R		
R21	220R	R68	10K		

R22	15R	R69	1K
R23	100R	R70	680R
R24	1K	R71	2K2
R25	470R	R72	15K
R26	5R6	R73	2K2
R27	100R	R74	100R
R28	100R	R75	4K7
R29	2K2	R76	1K2
R30	150R	R77	15R
R31	39R	R78	15R
R32	150R	R79	39R
R33	10R	R80	22R
R34	47R	R81	10K
R35	150R	R82	56K
R36	1K2	R83	10K
R37	470R	R84	4K7
R37	4K7	R85	1K
R39	10R	R86	3K3
R40	1K	R87	12K
R41	100R	R88	33K
R42	1K	R89	470R
R43	680R	R90	2K2
R44	22K	R91	1K
R45	22K	R92	10K
R46	82K	R93	22K
R47	82K	R94	10K

Q1	MPF102	D1	1N5822
Q2	J310	D2	1N914
Q3	2N5179	D3	MV209
Q4	PN2222A	D4	1N914
Q5	J310	D5	1N914
Q6	2N4427	D6	1N914
Q7	2N5179	D7	1N914
Q8	2N3904	D8	1N914
Q9	MPF102	D9	MPN3404
Q10	J310	D10	MPN3404
Q11	2N3906	D11	MPN3404
Q12	2N3904	D12	1N754A
Q13	2N3904	D13	1N914
Q14	2N5179	D14	1N914
Q15	PN2222A	D15	1N914
Q16	PN2222A	D16	1N914
Q17	PN2222A	D17	1N914
Q18	2SC1969	D18	1N914
Q19	2N3904	D19	1N914

Q20	2N3906		D20	1N914
Q21	2N3904		D21	1N914
Q22	2N5179		D22	1N754A
Q23	2N3904		D23	1N914
		D24	1N914	
U1	LF351N		D25	1N914
U2	78L08		D26	1N914
U3	TFM-2		D27	1N914
U4	NE602AN/NE612AN			
U5	LF353N		X1	9.000MHz
U6	LM380N		X2	9.000MHz
U7	NE602AN/NE612AN		X3	9.000MHz
U8	78L05		X4	9.000MHz
U9	NC20 Tick	X5	9.000MHz	
U10	AFA	X6	9.000MHz	
		X7	9.000MHz	
		X8	100KHz	

Date: Thu, 4 Feb 1999 10:32:17 -0500
 From: "Todd Carpenter" <carpentt@citrine.indstate.edu>
 To: "qrp-L" <qrp-l@Lehigh.EDU>
 Subject: [32032] re; Ham stick ground planes
 Message-ID: <34BA4690353@citrine.indstate.edu>
 MIME-Version: 1.0
 Content-Type: text/plain; charset=ISO-8859-1
 Content-Transfer-Encoding: 7bit
 Content-Transfer-Encoding: 7bit

I have successfully used one. I have mine mounted on a steel electrical box attached to a camera tripod.
 my ground radials attach to the box as well. I have 16 radials and it is lightweight. I have not tried it with qrp yet, but its great. 73, Todd.

Date: Thu, 04 Feb 1999 10:59:55 -0500
 From: "Joseph Street" <joseph.street@comdev.ca>
 To: qrp-l <qrp-l@Lehigh.EDU>
 Subject: [32033] UXE to VX0
 Message-ID: <36B9C3FB.67308980@comdev.ca>
 MIME-Version: 1.0
 Content-Type: text/plain; charset=us-ascii
 Content-Transfer-Encoding: 7bit
 Content-Transfer-Encoding: 7bit

Hi Gang;

VE3UXE has become VE3VX0. That trailing dit on the call was really getting me down so now I'm a Variable Xtal Oscillator which sounds better on CW and is more beffitting of a home brewer like myself. Trouble is I've now taken an interest in PLL's!! I guess I'll have to get busy and build a rig with a VX0. Checked into the AR QRP net last night with new call. Sorry Bob I was laughing when you came back to me as UXE I guess you were suprised by the change and so was another local QRP op VE3VRA who I invited to check in. I wanted to play a little trick on him. Trouble was we could not hear each other although he is only about 20 Km away, but he heard you come back to me as UXE. I don't think you heard him trying to check in at the end of the net either he was running 2 watts from a low longwire. I was 3 watts from an inverted vee trap dipole.

It looks like we are going to get rain for FYB0. I don't relish the idea of being out in the rain and snow. I'll take minus 30 and dry over rain at the freezing point any day but I'll take part regardless even if i'm sitting in my cozy basement. Maybe I can open a window and let some cold air in!

cul de VE3VX0

Date: Thu, 4 Feb 1999 11:05:31 -0500
From: "dor" <elbc@pivot.net>
To: <jeffj@scott.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [32034] Re: Isotron Bilal Antennas
Message-ID: <007401be5058\$31dc0700\$713d62ce@default>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

-----Original Message-----

From: Jeff Johns <jeffj@scott.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Wednesday, February 03, 1999 8:14 PM
Subject: Isotron Bilal Antennas

I got a flyer in the mail today from AES and inside the front page is an add for Isotron Bilal Company antennas. These are the most interesting antennas

Hi Jeff,

I wouldn't waste my money on that particular antenna, especially if your considering qrp they simply don't radiate much of a signal.. Better choice would be the MfJ Loop if your really in a cramp for space.. they do work and quite well considering their size.

73 good luck

dave kc1di

Date: Thu, 4 Feb 1999 08:23:04 -0800 (PST)
From: Ron Stark <ku7y@dri.edu>
To: Dave Ek <ekdave@earthlink.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [32035] Re: compact QRP rig for 15m?
Message-ID: <Pine.SOL.3.96.990204082201.24935B-1000000@vortex.dri.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Dave,

Check with TenTec. They are expanding their QRP rigs and will soon cover more bands. I don't have the message on this machine so I'm not sure of the dates and bands.

cul,

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Thu, 4 Feb 1999 09:25:59 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: fantbb@yahoo.com
Cc: qrp-l@Lehigh.EDU
Subject: [32036] Re: FYBO logging question
Message-ID: <199902041625.JAA26791@usr04.primenet.com>

(cc: QRP-L)

Howdy Jeff,

Jeff (AB6MB) wrote:

>

> What information has to be on the log that we send in?

Time, freq, plus the exchange itself. Normal logging procedures. Doesn't have to be in any fancy format. Pencil on the back of a cereal box is fine. (Don't get any ideas, Chris! ;-). If you email it, PLEASE USE ONLY ASCII TEXT. Thank you. :-)

As long as I can read it, I'm happy. Please send in the summary sheet with it though. It really will speed up the scoring for me.

> My logging program won't let me put in the full exchange from
> the sending station.

Hmmm... A sample exchange is, "579 AZ Joe 2W 40F", or five elements. That happens to be the same as CW SS, correct? (NR, Prec, Callsign, Check, Section)

Did someone **really** create a logging program that can't handle CW SS? Must not be a big seller. *8-)

Seriously, if it's a matter of limited fields, you can truncate the first name, leave the "F" off the temp, put name and temp in the same field, etc. I've seen it all, and found it quite acceptable.

If you can give us the name of the logging program, maybe someone already has a solution for it. We'll figure out a fix for you one way or another. Please let me know! And thanks for your support!

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"If it ain't fun, you ain't doin' it right!" -The AZ ScQRPions

FYBO Winter QRP Field Day - Feb 6th - See <www.extremezone.com/~ki7mn>

Date: Thu, 04 Feb 1999 08:28:00 PST
From: "Dan Hanson KQ6YI" <kq6yi@hotmail.com>
To: qrp-1@Lehigh.EDU
Subject: [32037] TEST! Don't READ!
Message-ID: <19990204162804.5068.qmail@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain

Testing...

72 Dan Hanson KQ6YI@hotmail.com Previously: KD6RXZ Fullerton, CA

Get Your Private, Free Email at <http://www.hotmail.com>

Date: Thu, 04 Feb 1999 08:54:35 -0600
From: "James A. Carmody" <carmodyjim@earthlink.net>
To: ku7y@dri.edu
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [32038] Re: compact QRP rig for 15m?
Message-ID: <36B9B4AB.D7A9EED4@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Re: 15m qrp

Also, you have the Mizuho 2w ssb/cw handhelds.

Jim

Ron Stark wrote:

> Hi Dave,
>
> Check with TenTec. They are expanding their QRP rigs
> and will soon cover more bands. I don't have the message
> on this machine so I'm not sure of the dates and
> bands.
>

> cul,
>
> 73, Ron, SOWP 5545M,
>
>KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
>ku7y@sage.dri.edu.....Washoe Lake, Nevada....
>QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Thu, 4 Feb 1999 08:50:17 -0800 (PST)
From: Jeff <fantbb@yahoo.com>
To: vole@primenet.com, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [32039] Re: FYBO logging question
Message-ID: <19990204165017.9947.rocketmail@send105.yahoomail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

---Joe Gervais <vole@primenet.com> wrote:

> Did someone *really* create a logging program that
> can't handle CW SS? Must not be a big seller. *8-)
>
> Seriously, if it's a matter of limited fields, you
> can truncate the first name, leave the "F" off the
> temp, put name and temp in the same field, etc. I've
> seen it all, and found it quite acceptable.
>
> If you can give us the name of the logging program,
> maybe someone already has a solution for it. We'll
> figure out a fix for you one way or another. Please
> let me know! And thanks for your support!

I just got EQF yesterday and am still playing with it. I'd like to know if others use this and how they would do it.

Maybe I'll have to break up the receive into various fields. Though I am still learning how to do it. Oh well I got 1 1/2 days til the contest.

Jeff

==

Jeff Jones

AB6MB

NorCal QRP Club #65, QRP-L #1780

CW Forever!!!

Ghost Hunter

Owner of the Delta MudCats fantasy baseball team
Long live Manchester United and the Oakland A's!!!!!!

DO YOU YAHOO!?

Get your free @yahoo.com address at <http://mail.yahoo.com>

Date: Thu, 4 Feb 1999 10:06:50 -0700
From: bcutter@teal.csn.net (Bob Cutter)
To: qrp-1@LEHIGH.EDU
Subject: [32040] Lemon-FYBO
Message-ID: <199902041706.KAA08070@mailrelay.sni.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I tried out my silver/copper lemon battery last night on the 49'er. I think I can make a Q with it. The lemons will be warmed and kept in an insulated box to the field. The Q will have to be early in the event or I will have to "Body Warm" the fruit, you may deal with that as you please!

Please look for me, very weak and early on 40M.

72, Bob KI0G

Date: Thu, 4 Feb 1999 11:08:40 +0000
From: "Bryan Turner" <turnerw@email.uah.edu>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>, carmodyjim@earthlink.net
Subject: [32041] Re: compact QRP rig for 15m?
Message-ID: <199902041708.LAA08835@uahis1.uah.edu>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

Too bad the Small Wonder Labs White Mountain SSB kit doesn't come in 15.

73 Bryan W8LN

Date: Thu, 4 Feb 1999 12:18:47 -0500 (EST)

From: Bob Patten <n4bp@bc.seflin.org>
To: Bruce Rattray <rattray@gpfn.sk.ca>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [32042] Re: FYBO
Message-ID: <Pine.3.89.9902041234.A22596-0100000@bc.seflin.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 4 Feb 1999, Bruce Rattray wrote:

>
>FYBO weather report from Saskatchewan....as I type, it's MINUS 40 dC
> windchill....

>
And a bone chilling 84F here in Ft. Lauderdale for the BUBBA, er, FYBO.
I'm confused, is it supposed to be warm or cold?

73,

Bob Patten, N4BP (0 0) Plantation, FL

-----o00o-()-o00-----

E-Mail: n4bp@bc.seflin.org
Web Page: <http://wg104a.wh.uni-stuttgart.de/~n4bp>
Brass Pounder BBS: (954) 472-7715

Date: Thu, 4 Feb 1999 09:23:01 -0800
From: "Bill Todd" <bill@willapabay.org>
To: <nwq-1@scn.org>
Cc: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>,
<rfaulkner@macnet.com>
Subject: [32043] NW QRP Member Correction
Message-ID: <000301be5063\$0579b800\$97added1@bill>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hello Gang(s)-

I just noticed a big mistake on the "New Membership" list on my web page
(please keep those rocks in your pockets gentlemen...).

Member number 500 is REALLY -

N7GSU, Robin Faulkner of McMinnville, OR.
Very sorry Robin!

Number 500 is a cool member number. Let's see; - -

CUL, Bill-N7MFB
<http://www.willapabay.org/~bill>
ICQ @ 8926298

Date: Thu, 04 Feb 1999 10:29:34 -0700
From: tom whalen <wb5qyt@eFortress.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [32044] SWL...GM?
Message-ID: <36B9D8FE.298A@eFortress.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Gents!

What happened to the GM series rigs by SWL? I was thinking about ordering one for 10m. Hope maybe they are just making a few changes and are planning on bringing them back.

72, Tom WB5QYT

Date: Thu, 04 Feb 1999 10:46:17 -0700
From: tom whalen <wb5qyt@eFortress.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [32045] FYBO
Message-ID: <36B9DCE9.3087@eFortress.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

QRPer's!

For some, this contest will be "Freeze your butt off", but for me and a few other hams here in Albuquerque, it will be "Fry your butt off!"

Suppose to be about 60f here this Saturday. Should have a group of about 5 or 6 heading up to the foothills of Albuquerque. We will be on 40-10 meters, although 10 may be sorta dead.

Looking forward to working lots of cold hams!!

72, Tom WB5QYT

Date: Thu, 04 Feb 1999 17:52:42 +0000
From: Michael Neverdosky <MichaelN@cycat.com>
To: qrp-l mailing list <qrp-l@Lehigh.edu>
Subject: [32046] Re: FYB0
Message-ID: <36B9981A.93737898@cycat.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

n4bp@bc.seflin.org wrote:

> And a bone chilling 84F here in Ft. Lauderdale for the BUBBA, er, FYB0.

For some of us it will be Fry Your Bubba Operator.

Ah, the joys of Florida.

michael N6CHV (in Central FL, 77F)

Date: Thu, 4 Feb 1999 13:03:50 -0400
From: Greg Weinfurtner <weinfurt@oak.cats.ohiou.edu>
To: qrp-l@Lehigh.EDU
Subject: [32047] FS: MFJ Loop Antenna
Message-ID: <v03110703b2df5cb205fe@[132.235.81.6]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Gang,

I've got an MFJ 1786 Loop antenna with the control box that has the Cross-Needle SWR/Wattmeter. I've used it a little but now I am using a 3 element beam, so I don't need the loop now. Lately, I've been using it inside the shack as shortwave receiving antenna because of the low noise and bandwidth of it. Covers 10-30 mhz continuous. It is in very good condition and I have the manual. The specs are available at:

<http://www.mfjenterprises.com/antennas/mfj1786.html>

New, they are \$379.95, I'd like to get \$175.00 for it... sound reasonable?

I'll cover shipping charges.

73 de

Date: Thu, 4 Feb 1999 11:22:06 -0700
From: Gary L Surrency <gsurrency@juno.com>
To: qrp-1@lehigh.edu
Subject: [32048] NC20 notes, plus a short comparison review.
Message-ID: <19990204.112207.-4088849.1.gsurrency@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Gang,

On building the NC20:

Most of the time, I see resistors with clean, shiny, leads that are easy to solder. But I can't recall ever seeing axial lead monolythic capacitors with clean, shiny, leads. Some discs cap leads will look good, and electrolytics too. But the mono cap leads have always been dirty in my experience.

So I keep a small piece of ScotchBrite handy to pull the leads through. It helps a lot with removing the oxides and making the soldering go quicker. Even a piece of brown paper towel, or some other course cloth, etc., helps get the grundge off.

As for the NC20 current consumption:

I just measured the idle receiver current on my prototype rig at 143ma. At 5 watts output into a dummy load, it draws 820ma. Those currents were measured using a homebrew regulated DC supply of 14.0 volts. So there are some figures for you folks to compare to. The high intercept performance of the rig is the reason for the large current draw, as there are a several high-bias amplifier stages in this rig.

If you are a little worried about the first time smoke test, you can put a 10 ohm 1/4 resistor in series with the power lead for the first power-up. It'll act as a fuse and protect against severe current draw. You can also test the resistance across the DC connector with an ohmeter, but this reading tends to vary greatly depending on your type of meter. I measured 283 ohms, with the plus lead of the DMM to positive terminal on the prototype. Reversing the leads produced about 277 ohms. I have two of the best DMMs R/S sells, and they both read about the same.

So there are some helpful values to compare to when you get ready to power it up for the first time. Investigate any major departures from these readings before you proceed to power-up. If you are following the build a section and test procedure, you should be able to narrow down any problems pretty quickly.

My initial impressions of the NC20 performance follows:

S&S Engineering rigs, like the TAC-1 and ARK series also typically pull around as much current as the NC20. They also use diode ring mixers and stiff, post-mixer amplifiers, plus all the digital circuitry for the synthesizers. The NC20 RX front end design is probably real close to the S&S rig's performance since they both use an RF amplifier preceeding a diode dbm. I would expect lab measurements would support excellent image rejection, and resistance to strong signal overload. All of these rigs use a two-pole bandpass filter ahead of the RF amp and diode dbm.

But the NC20 may be a little better in sensitivity and NF, since it uses a better noise figure (1.5db @ 100MHz) JFET RF amp, and a higher quality commercial Mini Circuits Labs TFM-2 diode dbm vs the discrete diode dbm in the S&S. And, the IF filter in the NC20 is at 9 MHz with 4 poles of filtering plus a roofing filter, where the S&S rigs use 12 MHz IF's with 4 poles. Yet, the S&S IF performance is very good, with excellent opposite sideband rejection and <600 Hz bandwidth at 6db down. The NC20 selectivity is better, approx. 300 Hz at -6db until Paul tells us otherwise. ;-)

The 5th crystal used in the NC20 helps remove wideband noise from the post-IF filter amplifier. But the S&S rigs all have selectable, built-in active audio filters as standard issue, so they are pretty close in selectivity. The nod in overall RX performance probably goes to the S&S rigs since the active audio filter does a bit more in peaking the signal and removing some unwanted noise. But the TAC-1 cost \$199.95 before you add the keyer option, and the ARKxx series is \$269.95 less keyer. The NC20 is an excellent value at \$100 - and that really is paying for two rigs and we're not talking about any profit margin for all the volunteers

in the project, either.

Any of these rigs can do 5 watts with no trouble, and all have superb QSK - though the ARKxx series does use a relay. Transmit quality and the CW note for all of them is better than a lot of commercial gear.

Of course, the S&S gear is absolutely top-notch, with professionally manufactured cabinets that have no equal in the QRP world (the K2 may challenge this, but it's a multi-band rig), and the best kit packaging and manuals I have ever had the pleasure of purchasing. Not to mention the toroids are all pre-wound! The TAC-1 has LCD readout, and the ARK series has direct freq. entry with thumbwheels. Both are rock-stable, due to the synthesized designs. The extra money pays for this quality, and they are still a bargain.

I think the NC20 is right up there in performance with any of these radios, of which I own TAC-1's for 80m and 40m, plus an ARK-30 for 30m. So I can't give a direct comparison between the NC20 and the S&S gear on 20m. But my impression is that all of these rigs are very close in RX / TX quality, and that's saying a lot considering the price differences.

So there's one of the first short reviews with a little opinion on what to expect and how lucky we are to have such a good selection of QRP equipment to choose from. Support your favorite QRP clubs and companies, and help keep these folks around for a long time. Soon there will be NC20 DX owners to listen for, and that's pretty exciting for me, being part of the team that helped get this rig developed. Thanks everyone, especially Norcal, and designer Doug Fifield.

72,

Gary Surrency AB7MY QRP-L #571 Chandler, AZ (near Phoenix)

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Thu, 4 Feb 1999 12:49:53 -0600
From: "Kelly Ellison" <kelman@dialnet.net>
To: <ekdave@earthlink.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [32049] Re: compact QRP rig for 15m?
Message-ID: <199902041849.MAA07120@dialnet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1

Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Dave,

Good question. The closest prospect I have found would be moving a SST-20 to 15. Check: <http://www.homeusers.prestel.co.uk/g3ycc/sst1.htm>

I haven't done the mod myself, but am thinking about it. Anyone on the list convert an SST to 15 (successfully) ?

Please let us know. I'd be interested in pressing this further. There were some posts on QRP-L regarding this.

Kelly Ellison WB0WQS Aurora, Mo

>

> With the propagation on the upswing in this solar cycle, I find that, alas,

> I have no compact qrp rig for 15 meters. None of the kit makers that I know

> of has a single-band kit for 15 m (SWL isn't selling the GM series at present; I know that the Sierra and the OHR-500 can cover 15, but I'd rather stick with single-band for now).

Date: Thu, 04 Feb 1999 12:54:56 -0600
From: Dave Sjolin <sjolin@swbell.net>
To: Qrp-l Reflector <qrp-l@Lehigh.EDU>
Subject: [32050] MFJ 15 meter Radio on Ebay
Message-ID: <36B9ECFF.AB5E7F5E@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

For those of you interested in a 15 meter single band rig, I just saw an MFJ 15 meter radio on Ebay.

<http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=63520491>

73 de Dave, N0IT

Date: Thu, 04 Feb 1999 11:04:32 PST
From: "Brad Hernlem" <alihernlem@hotmail.com>
To: ctrask@primenet.com

Cc: qrp-1@lehigh.edu
Subject: [32051] Re: Ferrite Question
Message-ID: <19990204190432.25788.qmail@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain

>On Wed, 3 Feb 1999, Brad Hernlem wrote:

>
>> With the oscillator biased with a 10K source resistor, the output
from
>> the buffer amp is about 4.8 V P-P but appears clipped unless I reduce
>> the emitter resistor on Q2 from 180 ohm to 56 ohm. Looking at the
>> collector voltage on the scope, the clipping occurs when it rises to
>> about 15V (supply voltage is 12V, BTW). With no load on the secondary
>> there is no clipping. Also, clipping can be eliminated by reducing
the
>> oscillator output by increasing the source resistor.
>>
>> Why is it that reducing the Q2 emitter resistor (which increases the
>> quiescent current) should eliminate the clipping? Is this a ferrite
>> limitation or something else? Because the load affects the clipping,
I
>> assume that it is somehow related to the ferrite's ability to deliver
>> current and not a limitation from the voltage swing, per se. Any
help?
>>
>
>Brad,
> What's happening here is that the buffer amplifier, actually a
>Darlington pair, is getting into a cut-off condition with the lower
bias
>current (180 ohms in the emitter of Q2). When you reduced the resistor
>to 56 ohms, it then had sufficient bias current to operate below
cutoff.
>None of what you've seen has anything to do with the ferrite in the
>output transformer. Actually, it sounds like everything is working
just
>fine. You're just overdriving the output buffer, that's all, and using
>a lower emitter resistor is the easiest way of curing the problem.

Thanks to you and Glen for clearing this up. Although decreasing the
emitter resistance solved my problem, I actually cut down the signal to
the buffer substantially by increasing the source resistor. This was
necessary because I am going to use a pair of varactors to sweep the
oscillator frequency and limiting the oscillator with the source
resistor allows me to get a wide range of frequency and also get a
decent looking sine output. I have a NJM2204A log amplifier/IF limiting

Brad

Circuit Design for the RF Impaired

Tempe, Arizona 85285-5240

Email: ctrask@primenet.com

<http://www.primenet.com/~ctrask>

Graphics by Loek Frederiks

Get Your Private, Free Email at <http://www.hotmail.com>

Date: Thu, 04 Feb 1999 12:19:32 -0700
From: tom whalen <wb5qyt@eFortress.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [32052] SWL...GM series
Message-ID: <36B9F2C4.75C3@eFortress.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

QRPer's!

Thank you Pat Byers for the info on the GM-xxx series. Darn, I actually got a little depressed when I read they are no longer available. I hope Dave comes up with another series soon, as many of us love the higher band monobanders...and with 10 meters getting hot in cycle 23, this is very bad timing!

I have a GM-15 and get about 1.1 watt out of it and is plenty to work the world. The recv is very hot and fast qsk too.

Going to use the GM-15 this FBYO into a DEZ(double extended zepp).

Glad I at least was able to get one of the HF series GM's!

72, and good luck in FBYO....here it is FRY YOUR BUTT OFF!! 60's!

Date: Thu, 4 Feb 1999 12:29:48 -0700 (MST)
From: James P Rybak <jrybak@mesa7.mesa.colorado.edu>
To: qrp-l@lehigh.edu
Subject: [32053] Source for 2 Watt 15 Meter SSB/CW Rig??
Message-ID: <Pine.OSF.3.91.990204121605.32314B-100000@mesa7.mesa.colorado.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Someone mentioned that there is a 2 watt SSB/CW 15 meter rig available from Japan. Can someone please tell me the price and how to order one?

Thanks.

Jim Rybak W0KSD

Date: Thu, 4 Feb 1999 14:26:12 EST
From: PDouglas12@aol.com
To: qrp-l@lehigh.edu
Subject: [32054] K2 builders, let's hear from you!
Message-ID: <48338a98.36b9f454@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Hey you guys,

I am getting a real kick out of the NC20 folks, and their enthusiasm for their new kit. But there is much less traffic coming from the K2 gang. I am wondering if you K2 pioneers are too busy having fun to stop and tell us how it is going along. I know, you don't want to stop until you have the rig on the air, but I don't think that is a safe attitude with a rig that complex! You guys aren't trying to build it in one sitting are you? :-) Please, can you talk it up a little out there in the infield? I have my order in at Elecraft for the next round, so I have a special interest in your experiences. And I bet there are plenty of folks who want to know how it is going.

72,

Preston WJ2V

Date: Thu, 4 Feb 1999 19:46 +0000
From: Rod Cerkoney <rwc@frii.com>
To: <qrp-1@lehigh.edu>
Subject: [32055] Config chk
Message-ID: <199902041947.MAA03832@deimos.frii.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

bet this works

reply was: rwc@frii.com
s/b: rwc@frii.com

n0rc

Date: Thu, 04 Feb 1999 12:52:02 -0700
From: Roy <marion@montana.com>
To: <qrp-1@Lehigh.EDU>
Subject: [32056] K2 completed
Message-ID: <199902041952.MAA01841@mail.montana.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Finished my K2. A qrp'er's dream. It went together easily and all

tests

worked the first time. EXCELLENT manual. Will be testing it out tonite after the foxhunt on 40 and 30 mtrs. 72/73 Roy AB7CE, Montana.

Date: Thu, 4 Feb 1999 14:53:31 EST
From: Robspark@aol.com
To: qrp-l@lehigh.edu
Subject: [32057] AR-QRP 40m Net Results
Message-ID: <6d284292.36b9fabb@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

The AR-QRP Net last night had a good showing amid noisy band conditions. Here are the stations that checked in:

K1QM	Joel
N0WM	Wm
AE4Y	Kent
K9UT	Jerry
N3XRV/M	Chris
N1TP	Tom
VE3VX0	Joe
K4NK	Les

The NCS was Bob AB5ZD, QTH Alexandria LA, running 12 watts to a G5RV up in pecan trees (organic towers). Orientation of the antenna wire is NNW to SSE. Following is a list of Arkansas QRP Club nets:

Monday Night	0130Z	3.560 MHz	N9ZZ
Bob AR #1 is NCS			
Wednesday Night	0130Z	7.042 MHz AB5ZD	Bob AR #277 is NCS

Non-members are welcome (and encouraged) to QNI!

Date: Thu, 4 Feb 1999 14:10:16 -0600
From: kreinbd@ccgate.dl.nec.com (David Kreinberg)
To: qrp-l@Lehigh.EDU
Subject: [32058] VANITY (LITERAL!!) Request
Message-ID: <000F10B0.4159@ccgate.dl.nec.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII

Content-Transfer-Encoding: 7bit
Content-Description: cc:Mail note part
Content-Transfer-Encoding: 7bit

Hi Gang,

I have a purely vanity request. No, not vanity call
but: I hear through the grapevine that my ugly mug
is in the January 99 issue of QST.

Not sure of the page or the subject, but it may have
something to do with a JOTA event I helped with.
I let my ARRL membership lapse (shame) and didn't get
this issue.

If any of you could verify this pix for me, I'd really
appreciate this. After all, I may have to autograph
some issues for Mom!!

Thanks. (maybe my only 15 minutes of fame)

Please reply direct.

73 de Dave, NR3E
QRP-L #25
nr Dallas, TX

Date: Thu, 4 Feb 1999 12:27:24 -0800 (PST)
From: David J Adams <adamsclan@netgate.net>
To: qrp-l@lehigh.edu
Subject: [32059] NC20 Frustration
Message-ID: <199902042027.MAA26025@u1.netgate.net>

Well, no problem with the rig, it works very well. My problem has been
trying to make a contact. School forces me to leave the house before the
sun rises and work keeps me out until the sun is long down. I've been
trying every morning, but invariably, I am just starting to hear sigs at
the moment I must leave the house. This morning I responded to KC0W's
CQ from Minnesota. He came back first time, but after giving his qth, the
signals just disappeared and then I had to scoot...CLOSE, but no cee-gar!

I am pleased to announce that I do get just over 5 watts from my nc20 and that,
unlike my other rigs, it has just enough juice to activate the auto-tuner on
my aea isoloop when I put the tick into tune mode. This is a tremendous
advantage when operating the rig.

Construction tip (minor): be careful when setting up the first set of links (for 1T vs 10T pot). The silkscreening around that set of holes does not make the connections obvious, but a glance at the schematic will tell you all you need to know.

Oddity: You may remember the other day when I let the smoke out of the part. That part has remained unidentified, but I'm having no problems from the rig, so....

Hope to work some of you this weekend.

73 de dave, N9UXU

Oh...sockets! I have everything socketed and can't recommend it highly enough.

Date: Thu, 4 Feb 1999 15:26:28 EST
From: PDouglas12@aol.com
To: qrp-1@lehigh.edu
Subject: [32060] K2 reports
Message-ID: <99f41cda.36ba0274@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Gang,

I have been reminded (nicely, of course) that the first round test-builders have their own site for exchange of info, and that it is very active! OK, I think fair is fair, and the beta builders' travails could, in their discussion of the first round flaws, frighten away potential buyers. OK, guys, but gee, you can tell us you're having fun. Ironing out the little things, and making progress, in general. That's all we need to hear for now! A little positive noise here ought to help scare up customers (not scare them away!)

So, tell us, at least if you are enjoying yourselves!

72,

Preston WJ2V

Date: Thu, 4 Feb 1999 15:40:12 -0500

From: Sam Billingsley <SBillingsley@usaninc.com>
To: "_Nogaqrp_List (E-mail)" <nogaqrp@qth.net>, "Qrp1_Submit (E-mail)" <qrp-1@Lehigh.EDU>
Subject: [32061] Field Testing the Parking Lot Portable Vertical (PLPV) under Windy Conditions
Message-ID: <21E06269B00ED111BE9B00805F6D0FA364288D@MAILSERVER1>
MIME-Version: 1.0
Content-Type: text/plain

Today in North Georgia although we have blue sky's and 70+ degrees it is very windy (I'm guessing up to 30 mph). I setup the PLPV in the open field next to the parking lot as usual. Immediately turned on rig after hookup and hear a strong Detroit station W8SFF/Steve calling CQ QRP on 14.060. Not wanting to miss a chance to work a fellow QRPer I replied and he came back with 449 and his info. I began transmitting my info to him. When I went back to him his signal was way down. Hummm... I looked out to the field and see my vertical element lying flat on the ground. I ran out to the stand and see one of the small wooden braces has broken so one of the four ground legs had folded up allowing the vertical section to tip up in that direction. I brace the vertical up with a brick on one of the three good legs and head back. While I'm calling again I see the antenna blow over again. This went on for three times until I found another brick to go on the legs. Even with the semi-vertical position (80degrees from horizontal) the QSO proceeds. Steve switches to his beam and his signal is 599 and I'm 559. Steve is using an OHR500 and beam. The OHR500 sounds great. But he's looking to cut the QSO short since the postman is due and he's anxiously waiting for his Norcal 20 to arrive. I wished him well on his wait and thought WOW this is fun!

So the moral of this story "self supporting" is not necessarily the case in a windy location particularly when a hinge pin works out and your braces are weak! I see an improved version in the works. Humm...sand bags.

I'll be posting a more detailed description and pictures on my new WEB page on Sunday night. I'll post the URL when it's available.

Still no K5F0! dit dit

Sam Billingsley AE4GX/4 Norcross, GA Index @ 5W with tilted Parking Lot Portable Vertical

Date: Thu, 4 Feb 1999 14:41:04 -0600
From: Jeff Johns <jeffj@scott.net>
To: qrp-1@Lehigh.EDU

Subject: [32062] It came (not the NorCal)
Message-ID: <199902042041.0AA09770x@scott.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
Content-Transfer-Encoding: 8bit

Well, the mailman was very kind to me today. He brought me a Padlette mini paddle that I bought via the internet. He also brought me a \$100 check for some items that I sold. I will be mailing my check for my SW40+ kit either this afternoon or first thing in the morning! I'm already anxious for it to arrive!

73 Jeff W4JEF

```
*----- Jeff Johns W4JEF - AMSAT# 32615 -----*
|jeffj@scott.net w4jef@amsat.org | Reserve Patrol Captain |
| Satellite: Mir R0MIR-1, AO-27 | Jefferson County Sheriff's Dept|
|200LX+BayPac+FT50=Portable Packet| QTH Birmingham, AL USA |
*-----*
```

Date: Thu, 4 Feb 1999 12:11:41 -0800
From: Marv Fagenson <k6hcj@juno.com>
To: qrp-1@Lehigh.edu
Subject: [32063] GOT MINE TODAY
Message-ID: <19990204.130116.-214167.0.k6hcj@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

THE NC20, THAT IS. Doug, Jim, Dave,etc. A great big THANK YOU!!
Marv Fagenson
k6hcj@Juno.com

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Thu, 4 Feb 1999 14:10:14 -0700 (MST)
From: Joe Gervais <vole@primenet.com>

To: qrp-l@Lehigh.EDU
Subject: [32064] FYBO: Final Transmission - AB7TT Clear
Message-ID: <199902042110.0AA27600@usr06.primenet.com>

Howdy Folks,

My last non-HF communication for the rest of the week. ;-)

If you have any remaining FYBO questions, check the website below. It's all there, just keep reading. :-)

When in doubt, operate and have FUN! We can figure out the rest later. This ain't CW SS, despite the long exchange. ;-) Relax. Smile.

Remember, send your *current* temperature at your operating position. Stick a thermometer next to your keyer and you're set.

If you have to send your temperature in Celsius (I think only the U.S. is still mired in non-metric temperatures ;-), please add a "C" to your temp instead of "F", of course.

Be safe, have fun, and don't forget to smile! Elvis has left the building.... CYA on the air!

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"If it ain't fun, you ain't doin' it right!" -The AZ ScQRPions

FYBO Winter QRP Field Day - Feb 6th - See <www.extremezone.com/~ki7mn>

Date: Thu, 4 Feb 1999 16:21:59 -0500
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: QRP-L Discussion Group <QRP-L@Lehigh.edu>
Cc: "W.D. (Doc) Lindsey/K0EVZ" <70511.3041@compuserve.com>
Subject: [32065] [RE]Help: Schurr Paddles
Message-ID: <199902041625_MC2-6943-AAF9@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii

Content-Disposition: inline
Content-Transfer-Encoding: 7bit

Gang:

Many thanks to all those who wrote with suggestions for repair of the Schurr Profi. Help is on the way from Marshall Emm who sells the paddles and accessories.

Sure wish they would be here tonight for the FOX hunt. Oh well. Hopefully the FOX will be able to figure out really ratty CW :-).

Disclaimer: No commercial endorsement, only a satisfied customer.

Good luck everyone in tonight's hunt and during FYB0. Please take care of yourself in the weather. Remember, hypothermia can be deadly even in a "warm" house.

72,

--Doc Lindsey/K0EVZ

DSBF

PO BOX 7187

Bismarck, ND 58507

70511.3041@compuserve.com

Date: Thu, 04 Feb 1999 16:36:27 -0500
From: Scott Howell <whowell@hq.nasa.gov>
To: qrp-l@lehigh.edu
Subject: [32066] rg8 coax need
Message-ID: <3.0.5.32.19990204163627.00826100@mail.hq.nasa.gov>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

need 150 ft. of rg8 coax.

HR0 has for .59 per foot. Anyone have any recommendations for a source for less?

tnx es 72/73 de Scott/n3byy

Fists #5030

Laurel MD

Date: Thu, 4 Feb 1999 16:37:07 EST
From: RangerSF5@aol.com
To: qrp-l@lehigh.edu
Subject: [32067] sick SST-30-M

Message-ID: <3a9aaaf0.36ba1303@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Nathan,
I read you'r post on the SST that you have problems with.
I'll skip all the mumbo jumbo since it looks like you double checked everything.
I just want to say that I built 5 for myself and 2 more for others.
The SST is a fine rig but when it comes to tuning,(peaking) you have to go REAL SLOW.
Ok you made all the checks and this is what i'm looking at.
1 You discovered a chip that does not pull down the voltage on one of the pins of *U2*
2 The tone you hear is you'r transmitted RF (Just about nil).
3 The red *LED* you say is flickering Sometimes)
4 You have RX noise (good sign)
5 You said that when you touch the pin,your big rig will pick up the transmitted signal but you did not say if the red *LED* came on with it.
At this time,i'd say that the *U2* is the problem.
BTW the way,
Most of the SST rigs I built,I used sockets for the chips.
If you bake one,it's an easy change.
I noticed no difference when using the sockets.
It's a good way for a Newbie to build the kit/s and when all seems to be working well,clip the pins on the sockets and remove them 1X1 then solder in the chip.
I also found the extra diode for the extended VX0 range to be the most stable.
Put you'r findings on the reflector.
GL
72/73
Bob
WA2HOQrp <tm>

Date: Thu, 4 Feb 1999 12:40:26 -0900
From: "Larsen, Jim" <JLarsen@alascom.att.com>
To: "'vole@primenet.com'" <vole@primenet.com>
Cc: "'qrp-1@lehigh.edu'" <qrp-1@lehigh.edu>
Subject: [32068] FYB0: AL7FS
Message-ID: <912D82D764AAD211B83A0008C7A4594C08CF19@alascomexc2.alascom.att.com>
MIME-Version: 1.0
Content-Type: text/plain

Greetings from Alaska,

I don't know about this starting the FYB0 over four hours before sunrise. I will be checking 40 meters like a crazy man at 5 am. After your sunrise down there in the L48, it will be at least 3-4 hours before 20 meters opens up for me. I am sure I will spend the rest of the day on 20 or 15 (low probability on 15 but we can hope). At least I KNOW I can go back to bed from about 6:30 am to 10 am. While I am sleeping, please everyone work everyone so the QRM will be better when I get on later. :-)

I will be running a full 5 watts to the KLM-KT34A at 40 feet on 20 and 15. The forty meter antenna is a modest little inverted V at 38 feet.

See you there on Saturday. I hope there are lots of you in the drawing for the Alaska Wildberry Chocolates.

Final comment: I really like Joe's statement below. I have found it works in a multitude of environments. Thanks, Joe.

73, Jim, AL7FS

> -----Original Message-----
> From: Joe Gervais [SMTP:vole@primenet.com]
> Subject: FYB0: Final Transmission - AB7TT Clear
> -Joe, vole@primenet.com, AZ ScQRPions (Phoenix)
> "If it ain't fun, you ain't doin' it right!" -The AZ ScQRPions

Date: Thu, 4 Feb 1999 15:43:46 -0600
From: mike1@urbancom.net (Dinelli, Michael)
To: <whowell@hq.nasa.gov>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [32069] RE: rg8 coax need
Message-ID: <000001be5087\$712e0140\$2dcd51d1@mike1.urbancom.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

<http://www.cablexperts.com/>

73 de Mike, N9BOR
FISTS NR 4594
<http://www.qsl.net/n9bor>

di dah dit - The only roger beep you will ever need.
cw - Breakfast of Champions

> need 150 ft. of rg8 coax.
> HRO has for .59 per foot. Anyone have any recommendations for a source for
> less?
>
> tn timer 72/73 de Scott/n3bvy
> Fists #5030
> Laurel MD
>

Date: Thu, 04 Feb 1999 15:46:12 -0600
From: Conard Murray <ws4s@infoave.net>
To: PDouglas12@aol.com, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [32070] Re: K2 reports
Message-ID: <045d01be5087\$c87d1440\$0a2a9595@ece.tntech.edu>
MIME-version: 1.0
Content-type: text/plain; charset="iso-8859-1"
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

OK .. we are having lots of fun. This is one AWESOME kit, guys. A quantum leap forward in kits. This rig will give the commercial rigs a lot to fear. I am about halfway through the kit (20 hours or so of work) and I should be hearing 40M signals on it late this evening. No real problems to report either, especially for a beta run. The few rough spots (that's too strong a word really bumpy spots ?) we have found have been very easy to correct and will not show up in the next version. Everything is super professionally done and high quality. I thought the Sierra was the ultimate, but this is something totally different.

73,
Conard, WS4S
Working fast to try to get the K2 on for FYB0.

Date: Thu, 04 Feb 99 16:57:13 -0400
From: "Caitlyn M. Martin" <cait.martin@ibm.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>,
"jrybak@mesa7.mesa.colorado.edu" <jrybak@mesa7.mesa.colorado.edu>
Subject: [32071] Re: Source for 2 Watt 15 Meter SSB/CW Rig?? (long reply)
Message-ID: <199902042157.VAA136008@out4.ibm.net>
MIME-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Hi, Jim,

There are actually two. The Mizuho HT is 15 meters only, SSB/CW, and very, very simple. Tokyo HyPower makes the HT-750, a more sophisticated, but much, much more expensive, tribander, with 3 watts on 15 and 40 meters, and 2 watts on 6 meters. The cost to get one of those from Japan with all the accessories is about \$750, though. There is a picture of me operating one in the Hemlock Bluffs Nature Preserve on my web site :) It is well worth the money. It is absolutely the best thing out there for portable operation. It has a great receiver, and is incredibly stable for such a small, portable rig. With it's coils, whip, and a set of AA NiCads, you can operate from anywhere.

OK, for Mizuho (much cheaper, but I don't know exactly how much), contact: Mr. Sasaki by fax at:

TOPTRON Corp.
1-4-7, Iwamotocho
Chiyoda-ku, Tokyo 101-0032
Japan
Fax: +81 3 3866 7881

Masayuki Uchida, J02AJT/WH20, had some wonderfully detailed and informative posts about Mizuho and Nishi Musen rigs a while back on here, and I hope he posts again. I also have corresponded with a couple of hams who have successfully ordered from Toptron, and the service is supposed to be outstanding.

About the Tokyo HyPower rig, this is from a post I made answering a similar question:

OK, what's below is from a post I made in late October. It covers both pricing and how to see all of the THP web site. Prices are in yen, since the exchange rate does fluctuate. If you were using today's Interbank exchange rate, the current price is \$579.76 for the rig alone, which is only about \$20 more than what it sold for here when Orion was importing it. Of course, you do have to add any accessories you want, shipping charges, and US customs duty.

If you do decide to purchase the rig now is not a bad time to do it, since the dollar is very strong against the yen. You can always find the latest cost in dollars by using the currency converter at: <http://www.oanda.com/converter/classic> Anyway, here is the information I posted before for all the folks who've joined the reflector recently:

Tokyo HyPower has a web site, but it's almost entirely in Japanese. They say the English site is under construction. There are pictures of the HT-750 (which can be clicked on to enlarge), all it's accessories, and all their other current products. The URL is:

<http://www.thp.co.jp/>

Models and prices are clear and readable only if you have installed Japanese language support into your browser. In Microsoft Internet Explorer 5.0 all I have to do is click on View, then Encoding, then Japanese (Auto Select). I believe it's about the same in IE 4.0.

The HT-750 page is at:

http://www.thp.co.jp/amateur/idx_xcv.htm

Current price is 69,800 yen for the rig. The current accessories are:

HA-1LT telescoping whip (requires band coil)	1,200 yen
HA-40 40 meter coil	3,500 yen
HA-15 15 meter coil	2,500 yen
HA-6 6 meter coil	2,500 yen

These are all pretty well a must. Other accessories are:

HSM-750 Speaker/mic.	4,200 yen
HLC-750 Leather case	3,980 yen
HL-750 50 watt linear amplifier (6, 15, 40 meters to match)	

35,800 yen

HL-710 10 watt linear amplifier (6, 15, 40 meters to match)
25,800 yen
HRC-60 wired remote control for HL-750/HL-710

If anyone wants ordering information for Tokyo HyPower, I will dig it up promptly.

Also, since i metioned the THP reflector, it has over 50 subscribers, and the HT-750 has to be the most popular piece of gear on there. Several subscribers also own Mizuho radios, and can answer questions on those better than I can. To subscribe, you can go to:

<http://www.onelist.com/subscribe.cgi/thp>

Sorry to blather on so long, but this type of QRP portable operation and these tiny rigs are a passion with me, one I've had to temporarily abandon due to health and finances. It **is** temporary, though :)

BTW, I should be back on the air on HF, 6, and 2 meters in the next week or two :) I'm suffering from withdrawal symptoms right now <sigh>. Expect to hear me with 4 watts PEP SSB on the HF bands, and even expect to hear me doing CW for the first time in over a decade, since I've decided to get my Extra once and for all.

72 and 73,
Caity
KU4QD

On The, 4 Feb 1999 12:29:48 -0700 (MST), James P Rybak wrote:

>
>Someone mentioned that there is a 2 watt SSB/CW 15 meter rig available
>from Japan. Can someone please tell me the price and how to order one?
>
>Thanks.
>
>Jim Rybak W0KSD
>

Caitlyn M. Martin	"They have computers, and may have
cait.martin@ibm.net	other weapons of mass
http://www.caitys-world.com	destruction" -Janet Reno

Date: Thu, 4 Feb 1999 14:00:58 -0800
From: "Michael A. Gipe" <mgipe@reliablemeters.com>
To: "QRP-L list" <qrp-l@Lehigh.edu>
Subject: [32072] Fw: audio thump and 38 special
Message-ID: <138001be5089\$de410fa0\$140a0a0a@double_trouble.reliablemeters.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Gang --

I haven't done anything with the NC 38S in a long time, so I've forgotten all the findings on the audio thump. Does anyone out there have a longer memory than mine who might be able to help this gentleman?

Mike K1MG

>Hi Jerry Sori to bother you but need info about audio thump in the
38
>special and don't know where to look. Can you please forward this on
to
>someone so I can find the cause and suggested fixes.
>Appreciate your assistance. Phil Moorey Ve3axl kcrystal@tbaytel.net
>
>

Date: Thu, 04 Feb 1999 22:08:33 GMT
From: n4js@pobox.com (John Sielke)
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [32073] Re: K2 reports
Message-ID: <36bb18d0.1411409@mail.snip.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: quoted-printable
Content-Transfer-Encoding: quoted-printable

On Thu, 4 Feb 1999 15:26:28 EST, you typed:

Message-ID: <19990204.163338.-279435.1.WJ50@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi All,
How does a person determine if the RS12/13 is
operating 15M up or 2 meter up link.
I heard several stations from 29.460 to .499MHz but
when I tried 15 meters up it didn't work.
Also, some of the QSO's didn't sound like they were
working the "bird".
After the pass, all was quiet on 29.450 up.
73 Bill WJ50 2200 Z pass 4 Feb 99

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Thu, 4 Feb 1999 17:40:54 -0500 (EST)
From: James Skalski <jskalski@buffnet.net>
To: qrp-1@Lehigh.EDU
Subject: [32076] WTB Couplers
Message-ID: <Pine.LNX.4.03.9902041737390.651-1000000@valhalla.valhalla.buffalo.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hello,
I need a 1/2" to 1/4" and 3/8" to 1/4" couplers
So I can use my turns counters to drive these larger shafts.
I used to have them in insulated ceramic gizmos but alas can't find them

I wish I had a lathe..I could make them.

73,

Jim N2go

Date: Thu, 4 Feb 1999 16:05:45 -0700 (MST)
From: Paul Harden <pharden@aoc.nrao.edu>
To: qrp-1@lehigh.edu
Subject: [32077] 4FEB Solar Report (for FYB0)

Message-ID: <Pine.SOL.3.91.990204154255.12625A-1000000@zia>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Fellow FYBO'ers:

The solar flux has dropped even further than my post the otherday, now down to 107 with the prediction for Saturday's FYBO a mere 110-115. We're at the very bottom of this 27-day solar rotation. This just means the likelihood of any significant activity on 10M or 15M is very low. The global MUF (daylight hours) is 18-20MHz, meaning 15M even is "iffy." However, 20M should be a very good band for FYBO ... well under the MUF for daytime and nighttime propagation, and the geomagnetic field should be quiet with some possible active periods, but not highly disruptive on 20M.

And because the geomagnetic is fairly quiet (A index <10), HF should be fairly quiet. This means 40M will be usable for contacts during the day within 300 miles, and some skip. Conditions on 40M will improve mid to late afternoon, and should be excellent from just before sundown until FYBO ends.

The sun is very quiet and we're passed the warning zone ... that is, any solar activity/flare that happens now will not effect the earth until Sunday or later. Some variations in the solar wind, possibly due to a coronal hole on the sun, may cause some active periods, but will be of short duration and not enough to disrupt communications.

In short, while the higher bands are virtually useless, it IS almost ideal conditions for 20M and 40M (or 80M for you real die-hards!).

I would suggest using the excellent propagation modeling posted to qrp-l yesterday by Kent Torrel. (or post it again, Kent!). That is a nice, concise listing of when propagation paths to different parts of the country, and what band, will be open.

Have fun and hope to work you from Raton Pass on the NM/CO border, where temps in the lower 40's are being forecasted, and dropping into the 30s shortly after sundown.

72, Paul NA5N/0

> # Prepared jointly by the U.S. Dept. of Commerce, NOAA,
> #Space Environment Center and the U.S. Air Force.

> IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE LOW
> TO VERY LOW.

> IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS
> EXPECTED TO BE UNSETTLED TO ACTIVE FOR TOMORROW AND TREND TO QUIET
> TO UNSETTLED BY THE THIRD DAY.

> IV. PENTICTON 10.7 CM FLUX
> OBSERVED 04 FEB 107 <----- Very LOW; at minimum this
solar rotation
> PREDICTED 05 FEB-07 FEB 110/115/115
^ ^ ^ ^ ^
FRI FYBO

> V. GEOMAGNETIC A INDICES
> OBSERVED AFR/AP 03 FEB 004/005 <----- Nice and quiet
> PREDICTED AFR/AP 05 FEB-07 FEB 015/010-010/008-005/008
^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^
FRI FYBO

> VI. GEOMAGNETIC ACTIVITY PROBABILITIES 05 FEB-07 FEB
> A. MIDDLE LATITUDES
> ACTIVE 22/18/06
> MINOR STORM 17/17/03 <----- 17% chance of storm for FYBO
> MAJOR-SEVERE STORM 00/00/01

Date: Thu, 04 Feb 1999 17:30:13 -0600
From: Jay Bromley <w5jay@alltel.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [32078] Re: K2 builders, let's hear from you!
Message-ID: <36BA2D85.681D90B8@alltel.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Gang,
Well here a quickie. It takes about an evening apiece for me to get the first two boards done. I suspect one very long day on the RF or two days not pushing. Myself I took off of work and have limited time. I am recording all the component values as I go and enjoying taking my time. The beta test manual is world class only needing the typical corrections to make it better. I wish I had a digital camera so I could give Mr. Hightower some pics to use on his web site.

There have been a few problems so far but, Eric has been super responsive meeting our needs. Hope to get mine on air this weekend, have to go back to work tomorrow, darnit!! Wayne what are you doing

checking your e-mail, your in paradise-- take a break, Eric's doing great so have some fun!!

The reason I am pushing so hard is I got to use K2 at Dayton and it's better now than it was then. It was something special then and that's why I got on the list early to get one. Goto go gang the iron is hot. Sorry for the typo's in a hurry!!
73 de w5jay..

Date: Thu, 04 Feb 1999 18:32:30 EST
From: wb2vuo@juno.com
To: qrp-1@lehigh.edu
Subject: [32079] Re: Variable Caps
Message-ID: <19990204.233129.5127.0.wb2vuo@juno.com>

WOWSERS!

I hope that the lot size is big enough when we pick them up. I have just gotten back from the club, and so far there are requests for 125 caps, and that's just the first round.

Tom tells me he might be picking them up this Friday, Monday at the latest. Seeing that he put up the bux, I have to get together with him and figure how I/we will collect the money and ship same.

There may be more parts than the 200 estimate, and I hope so seeing the response so far.

Hang in there. we will get this together in the next couple of days.

PLEASE! Requests to the club account, qrp10@juno.com only!

72/73, Keith, WB2VUO, 100% QRP from the Depths of the Great Bergen Swamp. Trustee, B/BAMS club station and the NQ2RP/B 10 Mtr QRPP beacon
"My night light runs more power than my Rig!!!"

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Thu, 04 Feb 1999 17:46:01 -0600

From: "WILLIAM T. ROSE" <supertec@mail.myriad.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [32080] Thanks
Message-ID: <36BA3139.C7AF5B1C@mail.myriad.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Thanks to all who helped me find who the QSO was really with , it was KF4HZH , Dave Nightngale and we have emailed each other and confirmed.

I hope this hasn't happen to you but I bet it has happened to a bunch of us

--

KC5SCCBILL
"Deep in the Heart of Texas" BRYAN, TX
Emtech 80/20 80m & 40m ---Knightlite Smite 80m ---Pixie II 40m
Kenwood TS520 --Kenwood TS700SP 2m --Icom ic-w21at 2m/70cm
Ant. 80m Gnd Delta loop--Hamstick 40m dipole--Tucker Vub-2 2m
Crushcraft A14820T 2m Beam

Date: Thu, 04 Feb 1999 15:52:19 -0800
From: "Russ Carpenter" <russ@natworld.com>
To: "QRP-L List" <qrp-l@lehigh.edu>
Subject: [32081] Results of the FEBRUARY SPARTAN SPRINT
Message-ID: <199902042353.PAA01903@guppy.pond.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

February's Spartan Sprint was another good one. Conditions were a little more challenging than January, but there were still plenty of rays to keep everyone busy. As of today, ARS is launching a new Trail Friendly Radio challenge, so we expect that Spartan Sprinters will be experimenting with an array of interesting new radios over the coming months. Join the fun!

If your station weighed more than Mt. Whitney, we assigned a weight of 30 pounds. All contacts received one point. The soapbox has been published separately in The ARS Sojourner. It's great reading. Just cruise over to <http://www.natworld.com/ars>.

THE SKINNY DIVISION (sorted in order of points per pound).

Call	Name	80M	40 M	20M	Total	Weight Points/
------	------	-----	------	-----	-------	----------------

Pound

W3TS	Mike	11	14	0	25	1.2	20.83
AA7QU	Russ	10	24	4	38	2.7	14.07
K7TQ	Randy	0	12	0	12	1.4	8.57
KC0EJW	Robert	0	13	0	13	2.6	5.00
KI0II	Ron	7	21	0	28	6.3	4.44
AB0GO	David	0	11	0	11	2.5	4.40
K1QM	Joel	5	7	2	14	3.5	4.00
KQ5U	Terry	0	21	0	21	7.5	2.80
N0IBT	Dave	0	11	0	11	4.5	2.44
VE6EWM	Earl	0	15	2	17	7	2.43
N3AO	Carter	0	14	0	14	6.2	2.26
KF2EW	Mike	0	6	0	6	5	1.20
WE6W	Ed	0	31	0	31	30	1.03
AE4GX	Sam	0	6	0	6	6	1.00
KI0MZ	Steve	2	6	0	8	10	0.80
W0UFO	Mert	2	14	0	16	20.1	0.80
W7SNV	Al	0	4	0	4	5.2	0.77
WA8GHZ	Jack	0	23	0	23	30	0.77
N4ROA	Dan	6	13	2	21	30	0.70
K4AVX	John	0	7	0	7	12	0.58
W5T	Doc	3	11	0	14	30	0.47
NA1XX	Mike	7	6	1	14	30	0.47
W8BHK	Harcourt	0	2	0	2	4.5	0.44
K3WWP	John	10	0	0	10	30	0.33
AL7FS	Jim	0	5	2	7	30	0.23
KA8LLE	Ben	7	0	0	7	30	0.23
KT7S	Cleve	1	2	2	5	30	0.17

THE TUBBY DIVISION (sorted in order of points)

Call	Name	80 M	40 M	20M	Total
AA7QU*	Russ	10	24	4	38
WE6W	Ed	0	31	0	31
KI0II	Ron	7	21	0	28
W3TS	Mike	11	14	0	25
WA8GHZ	Jack	0	23	0	23
KQ5U	Terry	0	21	0	21
N4ROA	Dan	6	13	2	21
VE6EWM	Earl	0	15	2	17
W0UFO	Mert	2	14	0	16
N3AO	Carter	0	14	0	14
W5T	Doc	3	11	0	14
NA1XX	Mike	7	6	1	14
K1QM	Joel	5	7	2	14
KC0EJW	Robert	0	13	0	13

K7TQ	Randy	0	12	0	12
N0IBT	Dave	0	11	0	11
AB0GO	David	0	11	0	11
K3WWP	John	10	0	0	10
KI0MZ	Steve	2	6	0	8
K4AVX	John	0	7	0	7
AL7FS	Jim	0	5	2	7
KA8LLE	Ben	7	0	0	7
AE4GX	Sam	0	6	0	6
KF2EW	Mike	0	6	0	6
KT7S	Cleve	1	2	2	5
W7SNV	Al	0	4	0	4
W8BHK	Harcourt	0	2	0	2

*Contest manager not eligible.

Thanks for your participation!

Russ Carpenter, AA7QU
Contest Manager for The Adventure Radio Society

Date: Thu, 04 Feb 1999 15:55:15 -0800
From: "Russ Carpenter" <russ@natworld.com>
To: "QRP-L List" <qrp-l@lehigh.edu>
Subject: [32082] The February Issue of The ARS Sojourner is Live
Message-ID: <199902042353.PAA01906@guppy.pond.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

The February issue of The ARS Sojourner is live. What a beaut! Inside, you'll find some great stuff from Mike Herr, WA6ARA, Bob Armstrong, N7XJ, John Cumming, VE3JC, and Richard Fisher, KI6SN. Here's where you find it:
<http://www.natworld.com/ars>

Russ Carpenter, AA7QU
Alleged webmaster

End of QRP-L Digest 1357
